



Connecticut Department of Energy and Environmental Protection License*

Section 401 Water Quality Certification

Licensee(s): National Railroad Passenger Corporation (Amtrak)

Licensee Address(s): 700 Atlantic Avenue
Boston, MA 02110

License Number(s): 202307183-WQC

Municipality: Windsor Locks

Project Description: New Haven-Hartford-Springfield Line Windsor Locks Railroad Station and track improvements for infrastructure improvement

Project Address/Location: Between Mile Posts 48.25 and 49.30 along the Hartford Line Rail

Waters: Windsor Locks Canal, Cannon Pond, Merrigan Brook, unnamed watercourse, unnamed wetlands

Authorizing CT Statute(s) and/or Federal Law: Section 401 CWA (33 USC 1341)

Applicable Regulations of CT State Agencies: 22a-426-1 to 9

Agency Contact: Land & Water Resources Division,
Bureau of Water Protection & Land Reuse, 860-424-3019

License Expiration: Upon expiration of the U.S. Army Corps of Engineers Section 404 permit for the same activity.

Project Site Plan Set: *Environmental Permit Plans State Project 0320-0016 Railroad Improvements Town of Windsor Locks (Amtrak Activities), 32 sheets, prepared by Thomas Harley of HNTB Corporation, and dated May 17, 2024.*

*Connecticut's Uniform Administrative Procedure Act defines License to include, "the whole or part of any agency permit, certificate, approval, registration, charter or similar form of permission required by law . . ."

License Enclosures: LWRD General Conditions; Site Plan Set; Section 1.10
Environmental Compliance for wood turtle; Section 1.10
Environmental Compliance for Eastern box turtle; Section 1.10
Environmental Compliance for bald eagle; LWRD Work
Commencement Form; LWRD Compliance Certification Form

Authorized Activities:

The Licensee is hereby authorized to conduct the following work as described in application # 202307183 and as depicted on any site plan sheets / sets cited herein:

Temporarily and permanently impact 20 square feet (sf) and 920 sf of wetlands, respectively and temporarily and permanently impact 6,834 sf and 5,830 sf of watercourse, respectively due to the New Haven-Hartford-Springfield Line Windsor Locks Railroad Station and track improvements which includes:

1. Installing temporary sedimentation and erosion controls;
2. Installing a temporary floating debris shield which occupies a maximum 597 sf area as depicted on site plan set sheets PMT-102 and PMT-103 in the vicinity of mile post (MP) 48.44 or Impact Area 1;
3. Excavating, grading, and associated installation of a 2' wide ballasted swale and 18" underdrain as depicted on site plan set sheets PMT-201 and PMT-202 in the vicinity of MP 49.05 or Impact Area 2;
4. Installing four temporary cofferdams for water handling at the inlet and outlets of the existing stone masonry arch bridge at MP 49.15 and at the proposed replacement twin pipe locations as depicted on site plan set sheets PMT-303 and PMT-304 in the vicinity of MP 49.15 or Impact Area 3;
5. Installing a 92' long and a 98' long, 8' diameter reinforced concrete pipes (RCPs) with a minimum of 1' of natural streambed material in the pipe bottom approximately 100' to the south of the existing 10.6' by 9' stone masonry arch bridge at MP 49.15 or Impact Area 3 as depicted on site plan set sheets PMT-301, PMT-302, PMT-303, PMT-304, and PMT-305;
6. Installing a 45' by 61.5', 3.5' deep rip rap preformed scour hole top-dressed with a minimum of 1' of natural streambed material at the outlets of the 8' diameter RCPs noted in Activity 5 above and related to Impact Area 3, as depicted on site plan set sheets PMT-301, PMT-302, PMT-304, and PMT-305;
7. Abandoning and filling with flowable fill the existing 141' long, 10.6' wide by 9' high stone masonry arch bridge located at MP 49.15 or Impact Area 3;
8. Installing temporary water handling cofferdams in the Windsor Locks Canal at MP 48.75 or Impact Area 4 as depicted on site plan set sheet PMT-403;
9. Repointing the existing 4' wide by 8' high stone masonry box culvert at MP 48.75 or Impact Area 4 and associated stone masonry endwall as depicted on site plan set sheets PMT-401, PMT-402, and PMT-403;

10. Installing a temporary 35' long, 16" diameter pipe at the outlet of the existing 1.5' wide by 2' high arch culvert with 2' wide by 3' high culvert ends for water handling during construction at MP 48.87 or Impact Area 5 as depicted on site plan set sheet PMT-503;
11. Installing temporary water handling cofferdams in the Windsor Locks Canal at MP 48.87 or Impact Area 5 as depicted on site plan set sheets PMT-503;
12. Installing a 1.5' deep, 18' by 15' modified rip rap scour hole at the outlet of an associated new 36" diameter RCP outside of the regulatory area at MP 48.87 or Impact Area 5 as depicted on site plan set sheets PMT-501, PMT-502, PMT-503, PMT-504, and PMT-505;
13. Grading at the outlet of the existing 1.5' wide by 2' high arch culvert with 2' wide by 3' high culvert ends and the new 36" RCP and associated scour hole at MP 48.87 or Impact Area 5 as depicted on site plan set sheet PMT-501, PMT-504, and PMT-506;
14. Installing temporary cofferdams for water handling at the inlet and outlets of the existing 82' long, 3.5' by 3' stone masonry box culvert at MP 48.92 or Impact Area 6 and at the proposed replacement 76' long, 5' diameter RCP located approximately 20' north of the existing culvert as depicted on site plan set sheets PMT-604;
15. Installing a 76' long, 5' diameter RCP with a minimum of 1' of natural streambed material in the pipe bottom approximately 20' to the north of the existing 82' long, 3.5' by 3' stone masonry box culvert at MP 48.92 or Impact Area 6 and the associated fill and regrading associated with the inlet and outlet relocation areas as depicted on site plan set sheets PMT-601, PMT-602, PMT-603, PMT-604, and PMT-605;
16. Installing a 27' by 21', 2' deep intermediate rip rap preformed scour hole top-dressed with a minimum of 1' of natural streambed material at the outlet of the 5' diameter RCP noted in Activity 15 above and related to Impact Area 6, as depicted on site plan set sheets PMT-601, PMT-602, PMT-603, PMT-604, and PMT-605;
17. Grading the area located to the northwest of the existing culvert inlet at MP 48.92 or Impact Area 6 utilizing natural streambed material to create a new watercourse channel which ties into the existing channel before entering the new 5' RCP inlet as depicted on site plan set sheets PMT-601, PMT-602, PMT-604, and PMT-605;
18. Abandoning and filling with flowable fill the existing 82' long, 3.5' by 3' stone masonry box culvert at MP 48.92 or Impact Area 6;
19. Installing temporary water handling cofferdams for water handling in the Windsor Locks Canal at MP 48.53 (Impact Area 7) as depicted on site plan set sheets PMT-703;
20. Installing a new 14' long by 8' wide modified rip rap apron at the new outlet of the proposed 24" diameter RCP (RCP located outside the regulated area) at MP 48.53 or Impact Area 7 as depicted on site plan set sheets PMT-701, PMT-702, and PMT-703; and
21. Regrading associated with the removal of the existing 12" diameter clay pipe outlet and the replacement with the 24" diameter stormwater pipe outlet at a skew to the southeast and its associated rip rap apron noted in Activity 20 above and related to Impact Area 7 as depicted on site plan set sheet PMT-702.

Failure to comply with the terms and conditions of this license shall subject the Licensee and / or the Licensee's contractor(s) to enforcement actions and penalties as provided by law.

This license is subject to the following Terms and Conditions:

1. **License Enclosure(s) and Conditions.** The Licensee shall comply with all applicable terms and conditions as may be stipulated within the License Enclosure(s) listed above.
2. **Turtle Protection.** The Licensee shall conduct work in accordance with the turtle protection measures outlined in Section 1.10 Environmental Compliance measures attached hereto for wood turtle (*Glyptemys insculpta*) and Eastern box turtle (*Terrapene carolina carolina*).
3. **Bald Eagle Protection.** The Licensee shall conduct work in accordance with the bald eagle (*Haliaeetus leucocephalus*) protection measures outlined in Section 1.10 Environmental Compliance measures attached hereto.
4. **Water Handling Best Management Practices.** Prior to the use of any stormwater pipes for the purpose of temporary water handling of waters of Merrigan Brook or any unnamed watercourse, the Licensee shall clean and remove any accumulated sediment and/or debris from the stormwater pipe.
5. **Management of Materials.** All wastewaters produced from the cleaning and/or preparation of stormwater pipes utilized for water handling shall be managed in accordance with all federal, state, and local requirements, including Chapter 446K Water Pollution Control, Chapter 445 Hazardous Waste, and Chapter 446d Solid Waste of the Connecticut General Statutes.
6. **Fisheries Notification.** The Licensee shall notify CT DEEP Fisheries and CT DEEP Land and Water Resources Division staff at least ten (10) days prior to the proposed channel grading associated with Activity 17 herein.

Issued under the authority of the Commissioner of Energy and Environmental Protection on:

Date

Emma Cimino
Deputy Commissioner
Environmental Quality Branch



LWRD General Conditions

1. **Land Record Filing (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice with a stamp or other such proof of filing with the municipality shall be submitted to DEEP.LWRDRegulatory@ct.gov no later than sixty (60) days after license issuance. If a Land Record Filing form is not enclosed and the work site is not associated with an upland property, no filing is required.
2. **Contractor Notification.** The Licensee shall give a copy of the license and its attachments to the contractor(s) who will be carrying out the authorized activities prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Licensee's contractor(s) shall conduct all operations at the site in full compliance with the license and, to the extent provided by law, may be held liable for any violation of the terms and conditions of the license. At the work site, the contractor(s) shall, whenever work is being performed, have on site and make available for inspection a copy of the license and the authorized plans.
3. **Work Commencement¹.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to DEEP.LWRDRegulatory@ct.gov, on the Work Commencement Form attached hereto, the name(s) and address(es) of all contractor(s) employed to conduct such work and the expected date for commencement and completion of such work, if any.
 - For water diversion activities authorized pursuant to 22a-377(c)-1 of the Regulations of Connecticut State Agencies, the Licensee shall also notify the Commissioner in writing two weeks prior to initiating the authorized diversion.
 - For emergency activities authorized pursuant Connecticut General Statutes Section 22a-6k, the Licensee shall notify the Commissioner, in writing, of activity commencement at least one (1) day prior to construction and of activity completion no later than five (5) days after conclusion.
4. **For Coastal Licenses Only - License Notice.** The Licensee shall post the first page of the License in a conspicuous place at the work area while the work authorized therein is undertaken.
5. **Unauthorized Activities.** Except as specifically authorized, no equipment or material, including but not limited to, fill, construction materials, excavated material or debris, shall be deposited, placed or stored in any wetland or watercourse on or off-site. The Licensee may not

¹ The Work Commencement condition and the need for a Work Commencement Form is not applicable to Flood Management Certification approvals.

conduct work within wetlands or watercourses other than as specifically authorized, unless otherwise authorized in writing by the Commissioner. Tidal wetlands means “wetland” as defined by section 22a-29 and “freshwater wetlands and watercourses” means “wetlands” and “watercourses” as defined by section 22a-38.

6. **Management of Materials.** Any materials removed from the site shall be managed in accordance with all federal, state, and local requirements, including Chapter 446K Water Pollution Control, Chapter 445 Hazardous Waste, and Chapter 446d Solid Waste of the Connecticut General Statutes.
7. **Unconfined Instream Work.** Unless otherwise noted in a condition of the license, the following conditions apply to projects in non-coastal waters:
 - Unconfined instream work is limited to the period June 1 through September 30.
 - Confinement of a work area by cofferdam techniques using sand bag placement, sheet pile installation (vibratory method only), portadam, or similar confinement devices is allowed any time of the year. The removal of such confinement devices is allowed any time of the year.
 - Once a work area has been confined, in-water work within the confined area is allowed any time of the year.
 - The confinement technique used shall completely isolate and protect the confined area from all flowing water. The use of silt boom/curtain or similar technique as a means for confinement is prohibited.
8. **For State Actions Only - Material or Equipment Storage in the Floodplain.** Unless approved by a Flood Management Exemption, the storage of any materials at the site which are buoyant, hazardous, flammable, explosive, soluble, expansive, radioactive, or which could in the event of a flood be injurious to human, animal or plant life, below the elevation of the five-hundred (500) year flood is prohibited. Any other material or equipment stored at the site below said elevation by the Licensee or the Licensee's contractor must be firmly anchored, restrained or enclosed to prevent flotation. The quantity of fuel stored below such elevation for equipment used at the site shall not exceed the quantity of fuel that is expected to be used by such equipment in one day. In accordance with the licensee's Flood Contingency Plan, the Licensee shall remove equipment and materials from the floodplain during periods when flood warnings have been issued or are anticipated by a responsible federal, state or local agency. It shall be the Licensee's responsibility to obtain such warnings when flooding is anticipated.
9. **Temporary Hydraulic Facilities for Water Handling.** If not reviewed and approved as a part of the license application, temporary hydraulic facilities shall be designed by a qualified professional and in accordance with the *Connecticut Guidelines for Soil Erosion and Sediment Control*, the *2004 Connecticut Stormwater Quality Manual*, or the *Department of Transportation's ConnDOT Drainage Manual*, as applicable. Temporary hydraulic facilities may include channels, culverts or bridges which are required for haul roads, channel relocations, culvert installations, bridge construction, temporary roads, or detours.
10. **Excavated Materials.** Unless otherwise authorized, all excavated material shall be staged and

managed in a manner which prevents additional impacts to wetlands and watercourses.

- 11. Best Management Practices.** The Licensee shall not cause or allow pollution of any wetlands or watercourses, including pollution resulting from sedimentation and erosion. In constructing or maintaining any authorized structure or facility or conducting any authorized activity, or in removing any such structure or facility, the Licensee shall employ best management practices to control storm water discharges, to prevent erosion and sedimentation, and to otherwise prevent pollution of wetlands and other waters of the State. For purposes of the license, “pollution” means “pollution” as that term is defined by CGS section 22a-423. Best Management Practices include, but are not limited, to practices identified in the *Connecticut Guidelines for Soil Erosion and Sediment Control* as revised, *2004 Connecticut Stormwater Quality Manual*, Department of Transportation’s *ConnDOT Drainage Manual* as revised, and the Department of Transportation Standard Specifications as revised.
- 12. In-Water Work Vessel Staging and Storage. (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** For any barge, vessel, skiff or floating work platform (“work vessels”) utilized in the execution of the work authorized herein, the Licensee shall ensure that such work vessels:

 - do not rest on, or come in contact with, the substrate at any time, unless specifically authorized in the license.
 - are not stored over intertidal flats, submerged aquatic vegetation or tidal wetland vegetation or in a location that interferes with navigation. In the event any work vessel is grounded, no dragging or prop dredging shall occur to free it.
- 13. Work Site Restoration.** Upon completion of any authorized work, the Licensee shall restore all areas temporarily impacted by construction, or used as a staging area or accessway in connection with such work, to their condition prior to the commencement of such work.
- 14. Inspection.** The Licensee shall allow any representative of the Commissioner to inspect the project location at reasonable times to ensure that work is being or has been conducted in accordance with the terms and conditions of this license.
- 15. Change of Use. (Applies only if a use is specified within the License “Project Description”)**

 - a. The work specified in the license is authorized solely for the purpose set forth in the license. No change in purpose or use of the authorized work or facilities as set forth in the license may occur without the prior written approval of the Commissioner. The Licensee shall, prior to undertaking or allowing any change in use or purpose from that which is authorized by this license, request permission from the Commissioner for such change. Said request shall be in writing and shall describe the proposed change and the reason for the change.
 - b. A change in the form of ownership of any structure authorized herein from a rental/lease commercial marina to a wholly-owned common interest community or dockominium may constitute a change in purpose as specified in paragraph (a) above.
- 16. De Minimis Alteration.** The Licensee shall not deviate from the authorized activity without prior written approval from the Commissioner. The Licensee may request a de minimis change

to any authorized structure, facility, or activity. A de minimis alteration means a change in the authorized design, construction or operation that individually and cumulatively has minimal additional environmental impact and does not substantively alter the project as authorized.

- For diversion activities authorized pursuant to 22a-377(c)-2 of the Regulations of Connecticut State Agencies, a de minimis alteration means an alteration which does not significantly increase the quantity of water diverted or significantly change the capacity to divert water.

17. Extension Request. The Licensee may request an extension of the license expiration date. Such request shall be in writing and shall be submitted to DEEP.LWRDRegulatory@ct.gov at least thirty (30) days prior to the license expiration. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. The Commissioner may extend the expiration date of this license for a period of up to one year, in order for the Licensee to complete the authorized activities. It shall be at the Commissioner's sole discretion to grant or deny such request. No more than three (3) one-year extensions will be granted under this license.

18. Compliance Certification². Not later than 90 days after completion of the authorized work, the Licensee shall prepare and submit to DEEP.LWRDRegulatory@ct.gov, the attached Compliance Certification Form. Such Compliance Certification shall be completed, signed, and sealed by the Licensee and a Connecticut Licensed Design Professional. If non-compliance is indicated on the form, or the Commissioner has reason to believe the activities and/or structures were conducted in non-compliance with the license, the Commissioner may require the Licensee to submit as-built plans as a condition of this license.

19. Maintenance. The Licensee shall maintain all authorized structures or work in optimal condition or shall remove such structures or facility and restore the affected waters to their pre-work condition. Any such maintenance or removal activity shall be conducted in accordance with applicable law and any additional approvals required by law.

20. No Work After License Expiration. Work conducted after the license expiration date is a violation of the license and may subject the licensee to enforcement action, including penalties, as provided by law.

21. License Transfer. The license is not transferable without prior written authorization of the Commissioner. A request to transfer a license shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Licensee's obligations under the license shall not be affected by the passage of title to the license site to any other person or municipality until such time as a transfer is approved by the Commissioner.

22. Document Submission. Any document required to be submitted to the Commissioner under the license or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:

DEEP.LWRDRegulatory@ct.gov or

² The Work Commencement condition and the need for a Work Commencement Form is not applicable to Flood Management Certification approvals.

Regulatory Section
Land & Water Resources Division
Department of Energy and Environmental Protection
79 Elm Street
Hartford, Connecticut 06106-5127
860-424-3019

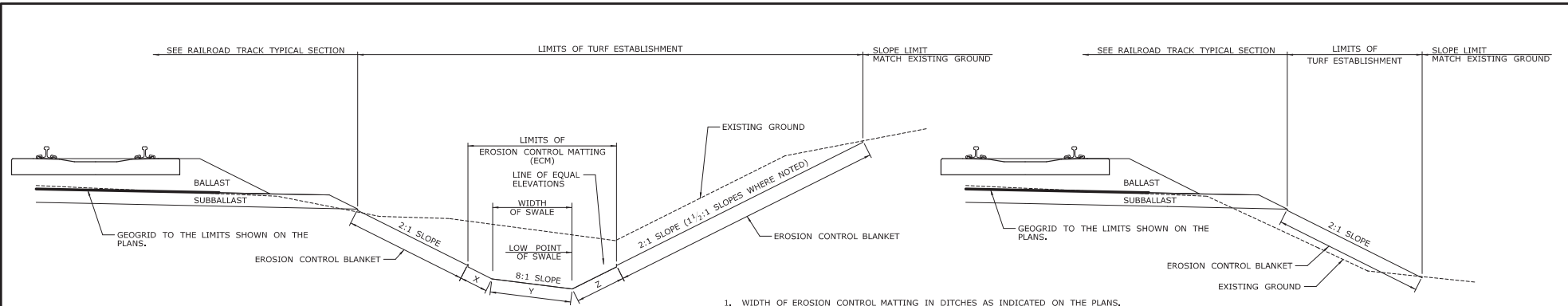
- 23. Date of Document Submission.** The date of submission to the Commissioner of any document required by the license shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under the license, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three (3) days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in the license, the word “day” as used in the license means calendar day. Any document or action which is required by the license to be submitted or performed by a date which falls on a Saturday, Sunday or a Connecticut or federal holiday shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or a Connecticut or federal holiday.
- 24. Certification of Documents.** Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under the license shall be signed by the Licensee and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows: “I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense.”
- 25. Accuracy of Documentation.** In evaluating the application for the license, the Commissioner has relied on information and data provided by the Licensee and on the Licensee’s representations concerning site conditions, design specifications and the proposed work, including but not limited to representations concerning the commercial, public or private nature of the work or structures, the water-dependency of said work or structures, its availability for access by the general public, and the ownership of regulated structures or filled areas. If such information proves to be false, deceptive, incomplete or inaccurate, the license may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.
- 26. Limits of Liability.** In granting the license, the Commissioner has relied on all representations of the Licensee, including information and data provided in support of the Licensee’s application. Neither the Licensee’s representations nor the issuance of the license shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.
- 27. Reporting of Violations.** In the event that the Licensee becomes aware that they did not or may not comply, or did not or may not comply on time, with any provision of this license or

of any document incorporated into the license, the Licensee shall immediately notify the agency contact specified within the license and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the agency contact, the Licensee shall provide, for the agency's review and written approval, a report including the following information:

- a. the provision(s) of the license that has been violated;
- b. the date and time the violation(s) was first observed and by whom;
- c. the cause of the violation(s), if known;
- d. if the violation(s) has ceased, the duration of the violation(s) and the exact date(s) and times(s) it was corrected;
- e. if the violation(s) has not ceased, the anticipated date when it will be corrected;
- f. steps taken and steps planned to prevent a reoccurrence of the violation(s) and the date(s) such steps were implemented or will be implemented; and
- g. the signatures of the Licensee and of the individual(s) responsible for actually preparing such report.

If the violation occurs outside of normal business hours, the Licensee shall contact the Department of Energy and Environmental Protection Emergency Dispatch at 860-424-3333. The Licensee shall comply with any dates which may be approved in writing by the Commissioner.

- 28. Revocation/Suspension/Modification.** The license may be revoked, suspended, or modified in accordance with applicable law.
- 29. Other Required Approvals.** License issuance does not relieve the Licensee of their obligations to obtain any other approvals required by applicable federal, state and local law.
- 30. Rights.** The license is subject to and does not derogate any present or future property rights or powers of the State of Connecticut, and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the property or activity affected hereby.
- 31. Condition Conflicts.** In the case where a project specific special condition listed on the license differs from, or conflicts with, one of the general conditions listed herein, the project specific special condition language shall prevail. It is the licensee's responsibility to contact the agency contact person listed on the license for clarification if needed prior to conducting any further regulated activities.



BALLASTED SWALES WHERE CALLED OUT ON THE PLANS, SHALL BE OF THE SHAPE SHOWN ON THE CROSS SECTIONS AND AS DETAILED ON THIS SHEET WITH A 9 INCH THICK BALLASTED STONE SURFACE. NO EROSION CONTROL MATTING WILL BE REQUIRED.

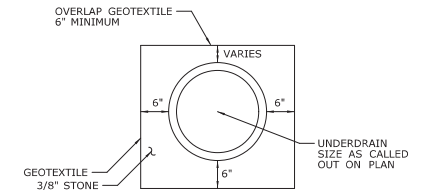
STATION	TO	STATION	LENGTH	OFFSET
48+3500		48+3600	500	RIGHT
48+4601		48+4959	358	LEFT
48+5000		48+5220	220	LEFT
49+0200		49+0420	220	LEFT
49+0430		49+0700	270	LEFT
49+0200		49+0250	50	RIGHT

FROM PLANS				
WIDTH OF SWALE	WIDTH OF ECM	X	Y	Z
2.0'	4.0'	0.71'	2.02'	1.27'
2.0'	6.0'	1.71'	2.02'	2.27'
4.0'	6.0'	0.42'	4.03'	1.55'
4.0'	8.0'	1.42'	4.03'	2.55'

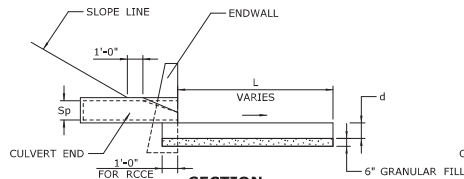
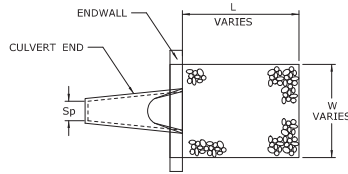
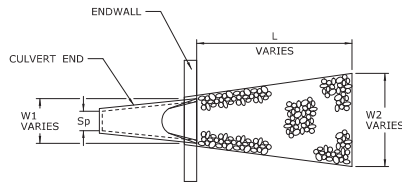
LIMITS OF EROSION CONTROL MATTING ON VEGETATED SWALE

1. WIDTH OF EROSION CONTROL MATTING IN DITCHES AS INDICATED ON THE PLANS.
2. EROSION CONTROL MATTING TO BE INSTALLED ON DITCH SIDE SLOPES SUCH THAT THE EROSION CONTROL MATTING TERMINATES AT EQUAL ELEVATIONS.
3. EROSION CONTROL BLANKET TO BE INSTALLED ON ALL SLOPES 1.75:1 AND FLATTER UNLESS OTHERWISE INDICATED ON THE PLANS.
4. EROSION CONTROL MATTING SHALL BE TYPE 'E' UNLESS NOTED OTHERWISE.
5. EROSION CONTROL BLANKET SHALL BE TYPE 'C' UNLESS NOTED OTHERWISE.
6. EROSION CONTROL BLANKET TO BE PAID FOR UNDER EROSION CONTROL MATTING.
7. 1 1/2:1 BACKSLOPES WHERE NOTED TO HAVE CRUSHED STONE SLOPE PROTECTION. EROSION CONTROL MATTING AND EROSION CONTROL BLANKET WILL NOT BE INSTALLED ON THE 1 1/2:1 SLOPE.
8. AT AREAS WHERE THE SLOPE TRANSITIONS FROM 1 1/2:1 TO 2:1 OR VICE VERSA. CRUSHED STONE SLOPE PROTECTION SHALL TRANSITION TO 1.75:1 SLOPE BEFORE ENDING. TURF ESTABLISHMENT SHALL BEGIN AND TRANSITION FROM 1.75:1 TO 2:1. THE TRANSITION FROM 1 1/2:1 TO 2:1 SLOPE SHALL BE 100 FEET MINIMUM WITH THE DISTANCE SPLIT EQUALLY BETWEEN CRUSHED STONE SLOPE PROTECTION AND TURF ESTABLISHMENT.

TYPICAL SLOPE TREATMENTS

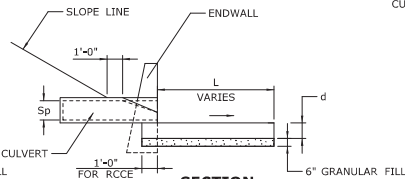


UNDERDRAIN



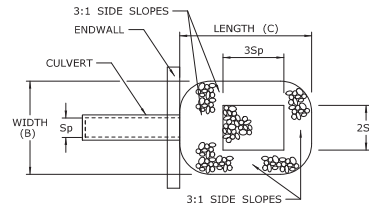
SECTION

TYPE A AND B RIPRAP APRON

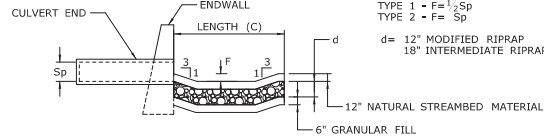


SECTION

TYPE C RIPRAP APRON



PLAN

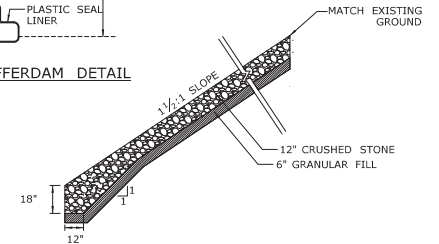


SECTION

PREFORMED SCOUR HOLE



WATER HANDLING COFFERDAM DETAIL



CRUSHED STONE SLOPE PROTECTION

NOTES

1. CRUSHED STONE TO MEET THE REQUIREMENTS OF CTDOT FORM 818, ARTICLE M.01.01 FOR 2" (No.3) COARSE AGGREGATE.
2. CRUSHED STONE TO BE PAID FOR UNDER THE ITEM "CRUSHED STONE" (TON).

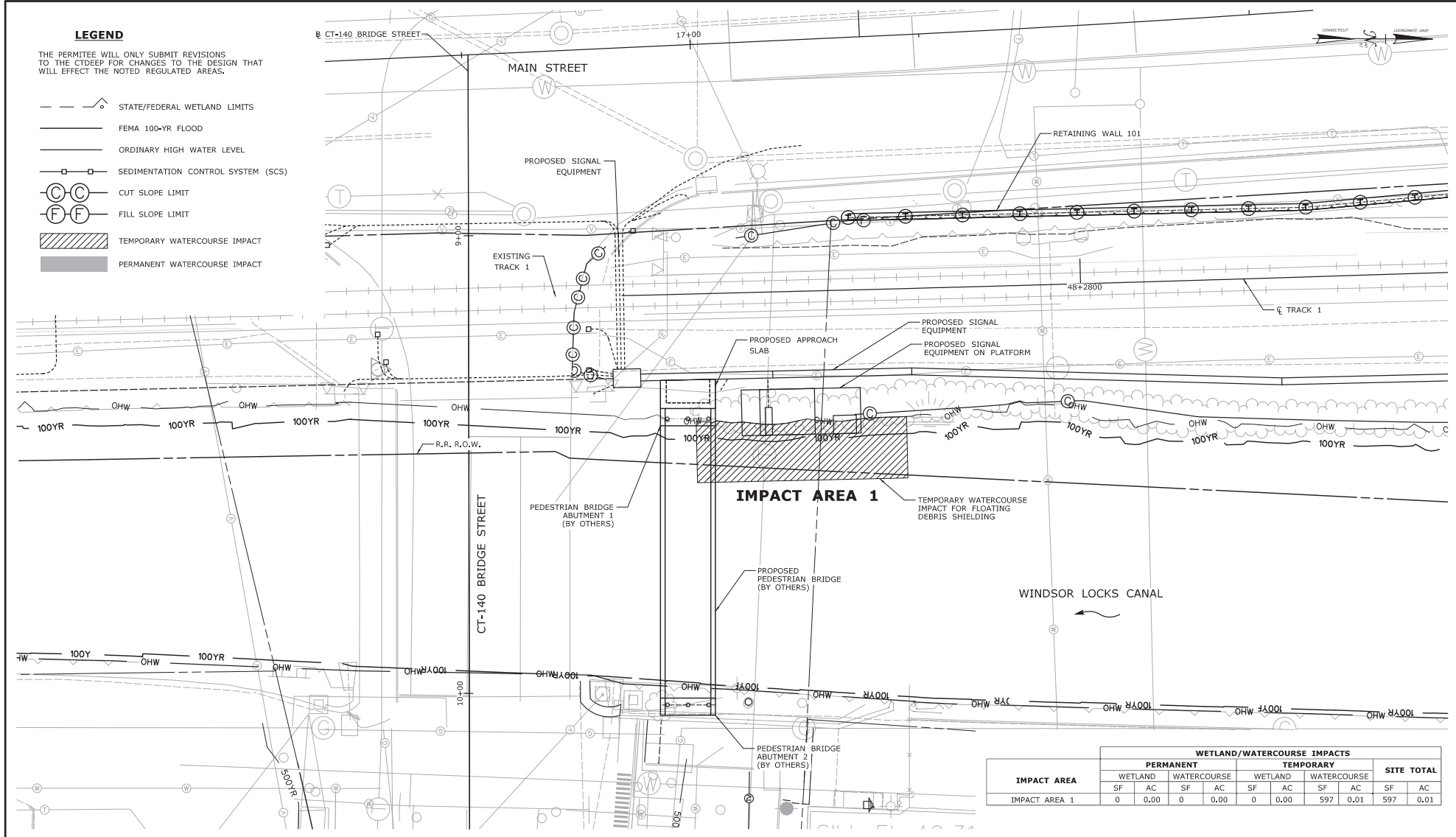
*STREAMBED MATERIAL IS PLACED ON SCOUR HOLES WHERE THE CULVERTS INCLUDE EMBEDDED STREAMBED MATERIAL

8-20-14 DATE	ADDITION OF BALLASTED SWALE REVISION DESCRIPTION	02/25/2016 SHEET NO.	01/15/2023 PLOTTED DATE	DESIGNER/DRAFTER: L. COLES CHECKED BY: D. SCHWEITZER SCALE AS NOTED		PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)	DRAWING TITLE: TYPICAL SECTIONS AND DETAILS	PROJECT NO. 0320-0016 DRAWING NO. PMT-003 SHEET NO.
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LEGEND

THE PERMITEE WILL ONLY SUBMIT REVISIONS TO THE CTDEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- STATE/FEDERAL WETLAND LIMITS
- FEMA 100-YR FLOOD
- ORDINARY HIGH WATER LEVEL
- SEDIMENTATION CONTROL SYSTEM (SCS)
- CUT SLOPE LIMIT
- FILL SLOPE LIMIT
- TEMPORARY WATERCOURSE IMPACT
- PERMANENT WATERCOURSE IMPACT



IMPACT AREA	WETLAND/WATERCOURSE IMPACTS									
	PERMANENT				TEMPORARY				SITE TOTAL	
	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE		
SF	AC	SF	AC	SF	AC	SF	AC	SF	AC	
IMPACT AREA 1	0	0.00	0	0.00	0	0.00	597	0.01	597	0.01

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLotted Date

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

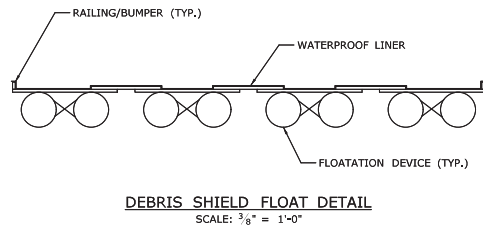
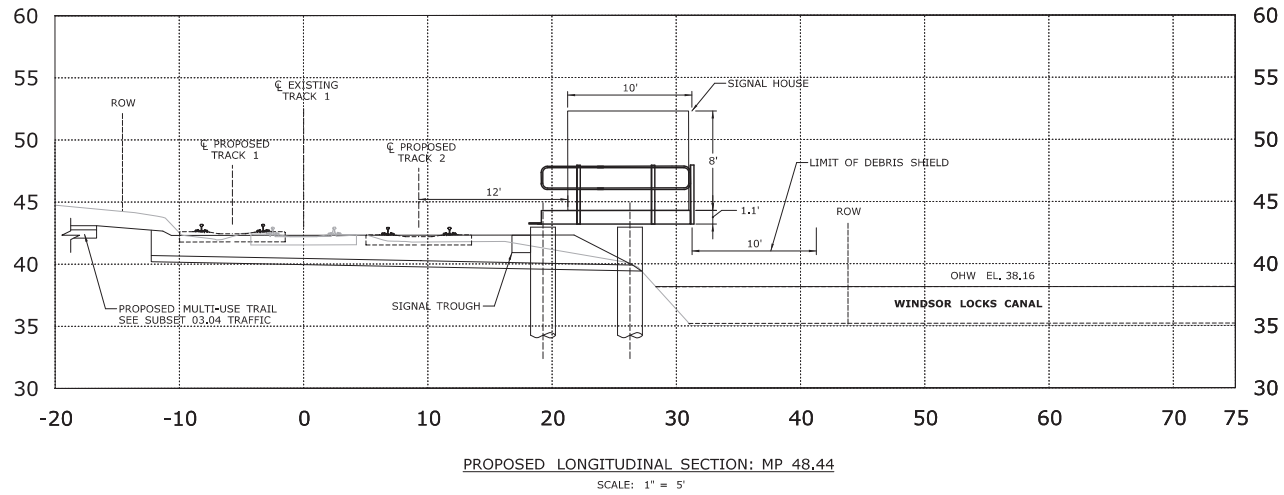
DESIGNER/DRAWER:
S. ZARATE
CHECKED BY:
D. SCHWEITZER
SCALE IN FEET
0 10 20
SCALE 1"=10'



SIGNATURE:
R. P. ...
HNTB
HNTB Corporation
Engineers, Architects, Planners
350 Capital Boulevard, 48th Floor
New York, NY 10022
Tel: 212-512-2000
Fax: 212-512-2001

PROJECT TITLE:
WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)

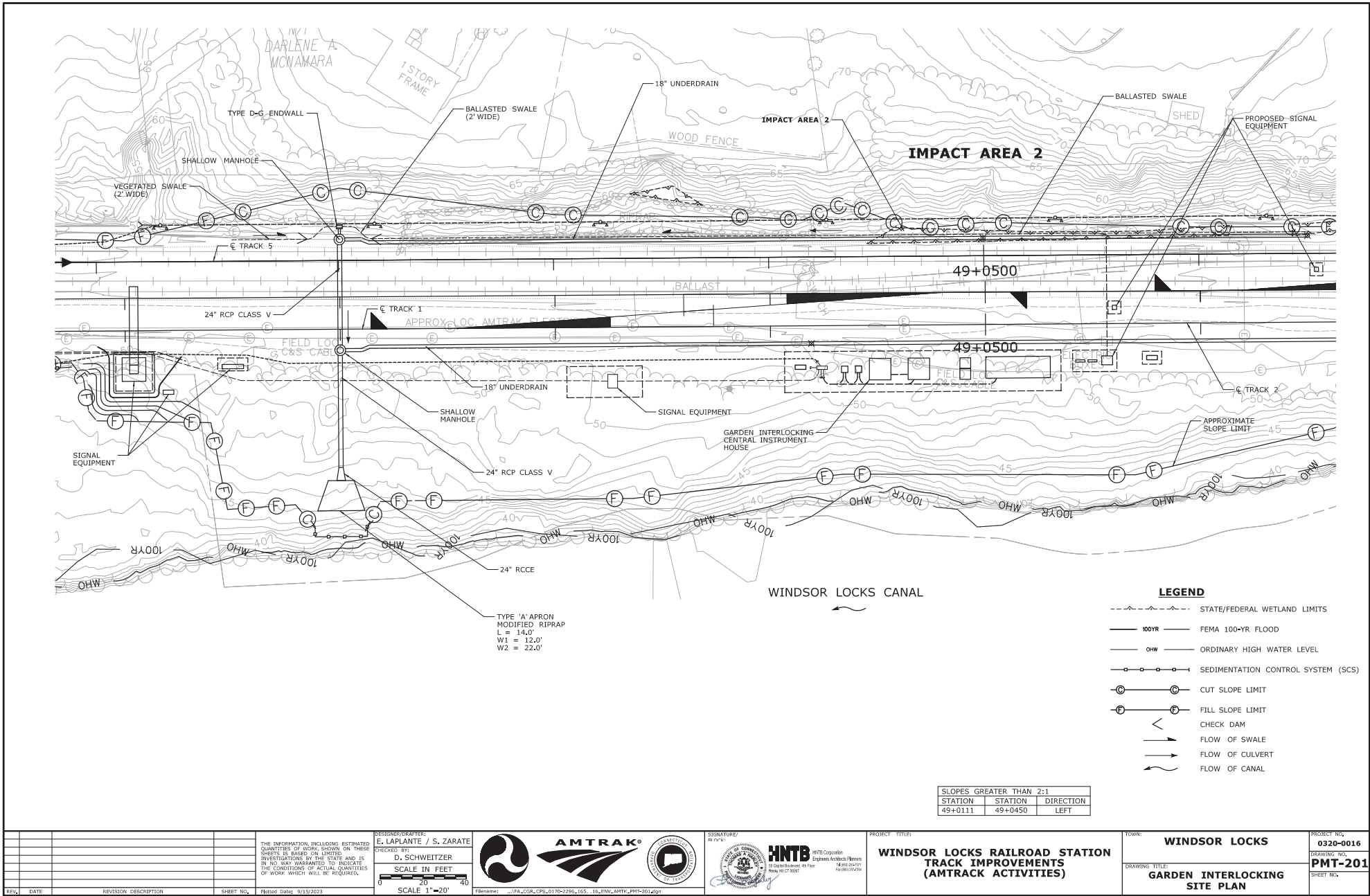
TOWN:
WINDSOR LOCKS
DRAWING NO.:
MP 48.44 WETLAND & WATERCOURSE IMPACTS
PROJECT NO.:
0320-0016
DRAWING NO.:
PMT-102
SHEET NO.:



DEBRIS SHIELD FLOAT NOTES:

1. FLOAT SHALL HAVE WATERPROOF LINING AND RAILING/BUMPER SYSTEM TO PREVENT DEBRIS FROM ENTERING THE WATERWAY
2. FLOAT SHALL BE SUFFICIENTLY BUOYANT SO AS NOT TO BE FOUNDED ON THE SUBSTRATE AT ANY TIME DURING ITS USE
3. WHEN NOT IN USE, FLOAT SHALL BE STORED WITHIN THE PROJECT IMPACT AREA
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, CLEANING AND ANY NECESSARY REPAIRS TO FLOATING DEBRIS CONTAINMENT SYSTEM TO ENSURE NO DELETERIOUS MATERIAL ENTERS THE WATERWAY.

		THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: D. LOGAN/E. LAPLANTE CHECKED BY: D. SCHWEITZER SCALE AS NOTED		 		SIGNATURE:  		PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRACK ACTIVITIES)		TOWN: WINDSOR LOCKS		PROJECT NO. 0320-0016	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plot Date: 5/15/2023							DRAWING NO. PMT-103		SHEET NO.		
						File Name: ...JFA_ECR_CPS_0170-2295_165_16_PMT_AMTK_PMT-103.dgn						DRAWING TITLE: MP 48.44 DEBRIS SHIELD FLOAT DETAIL		SHEET NO.	



SLOPES GREATER THAN 2:1		
STATION	STATION	DIRECTION
49+0111	49+0450	LEFT

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date

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DESIGNER/DRAWER:
E. LAPLANTE / S. ZARATE
CHECKED BY:
D. SCHWEITZER
SCALE IN FEET
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SCALE 1"=20'

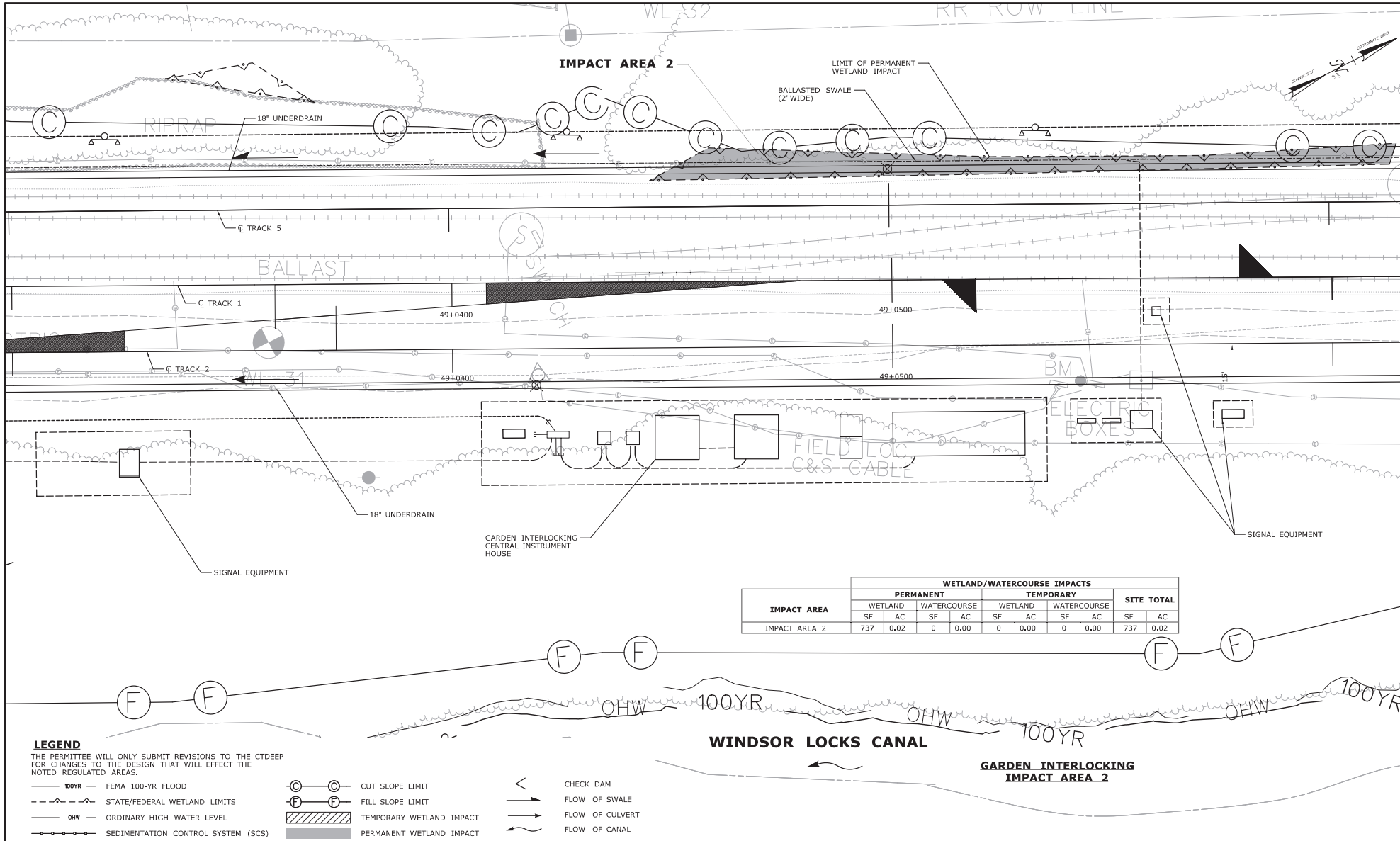


SIGNATURE:
R. F. ...
HNTB
HNTB Corporation
Engineers, Architects, Planners
315 Capitol Boulevard, 4th Floor
New Haven, CT 06511

PROJECT TITLE:
WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)

TOWN:
WINDSOR LOCKS
DRAWING TITLE:
GARDEN INTERLOCKING SITE PLAN

PROJECT NO.
0320-0016
DRAWING NO.
PMT-201
SHEET NO.



IMPACT AREA	WETLAND/WATERCOURSE IMPACTS									
	PERMANENT				TEMPORARY				SITE TOTAL	
	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	SF	AC
IMPACT AREA 2	737	0.02	0	0.00	0	0.00	0	0.00	737	0.02

LEGEND

- THE PERMITTEE WILL ONLY SUBMIT REVISIONS TO THE CTDEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.
- 100YR — FEMA 100-YR FLOOD
 - - - STATE/FEDERAL WETLAND LIMITS
 - OHW — ORDINARY HIGH WATER LEVEL
 - SEDIMENTATION CONTROL SYSTEM (SCS)
 - ⊖ ⊖ CUT SLOPE LIMIT
 - ⊕ ⊕ FILL SLOPE LIMIT
 - ▨ TEMPORARY WETLAND IMPACT
 - PERMANENT WETLAND IMPACT
 - ⊏ CHECK DAM
 - FLOW OF SWALE
 - FLOW OF CULVERT
 - FLOW OF CANAL

DESIGNER/DRAFTER:
D. LOGAN
CHECKED BY:
D. SCHWEITZER
SCALE IN FEET
0 10 20
SCALE 1"=10'



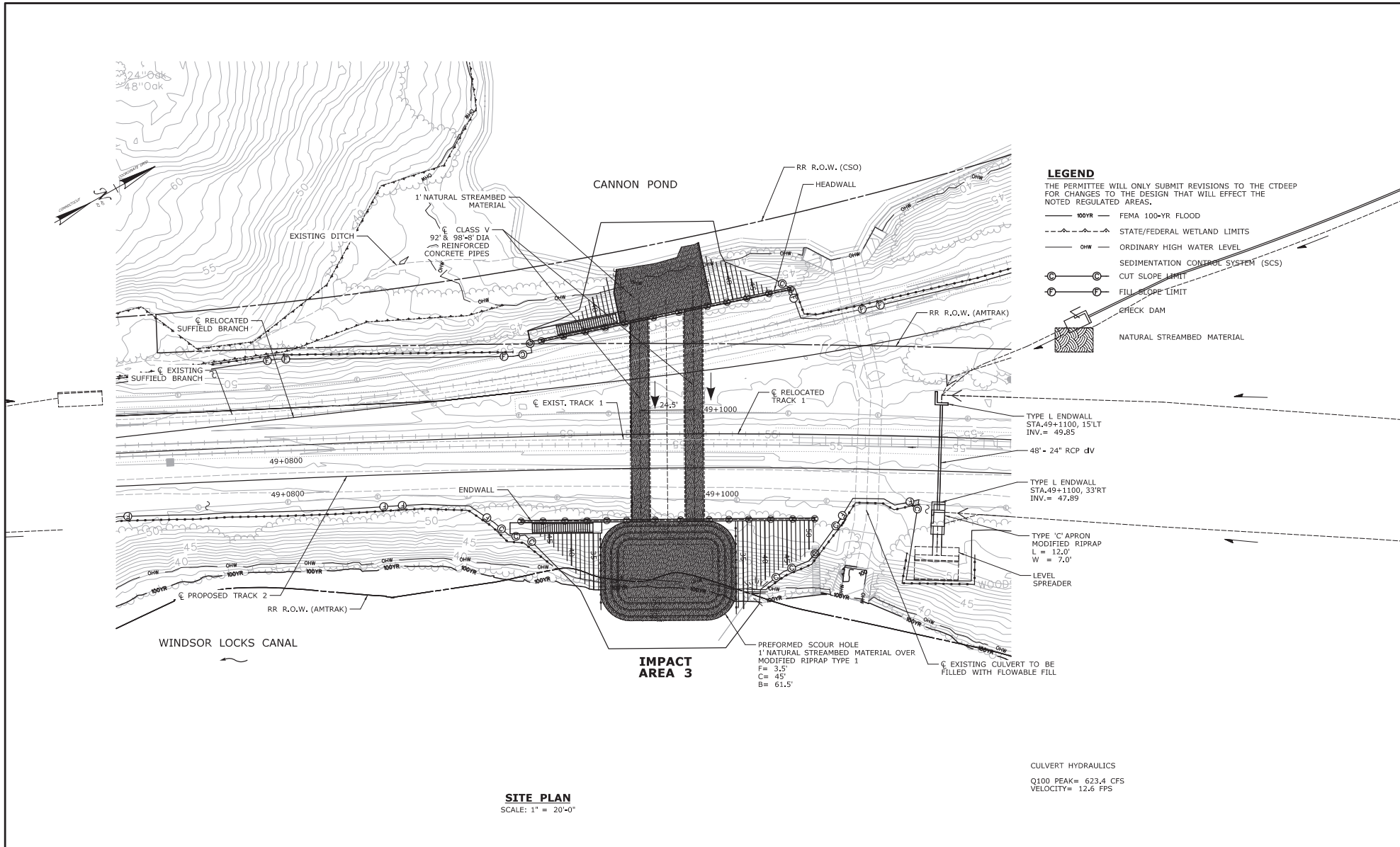
SIGNATURE:
R. F. ...
HNTB
HNTB Corporation
Engineers, Architects, Planners
315 Capitol Boulevard, 4th Floor
Hartford, CT 06103
Phone: 860.254.2171
Fax: 860.254.2124

PROJECT TITLE:
WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)

TOWN:
WINDSOR LOCKS
DRAWING TITLE:
GARDEN INTERLOCKING WETLAND & WATERCOURSE IMPACTS

PROJECT NO.:
0320-0016
DRAWING NO.:
PMT-202
SHEET NO.:

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLotted Date
				5/15/2023



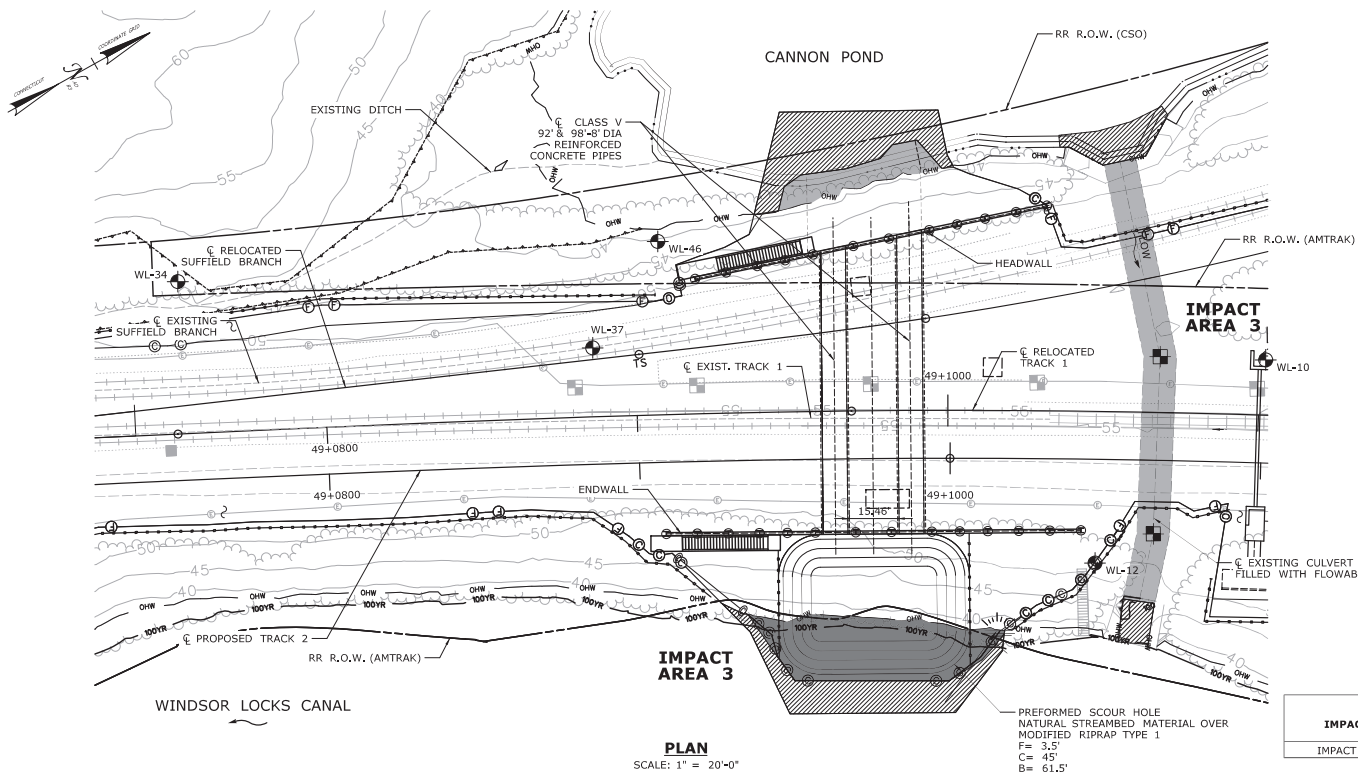
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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.



WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)

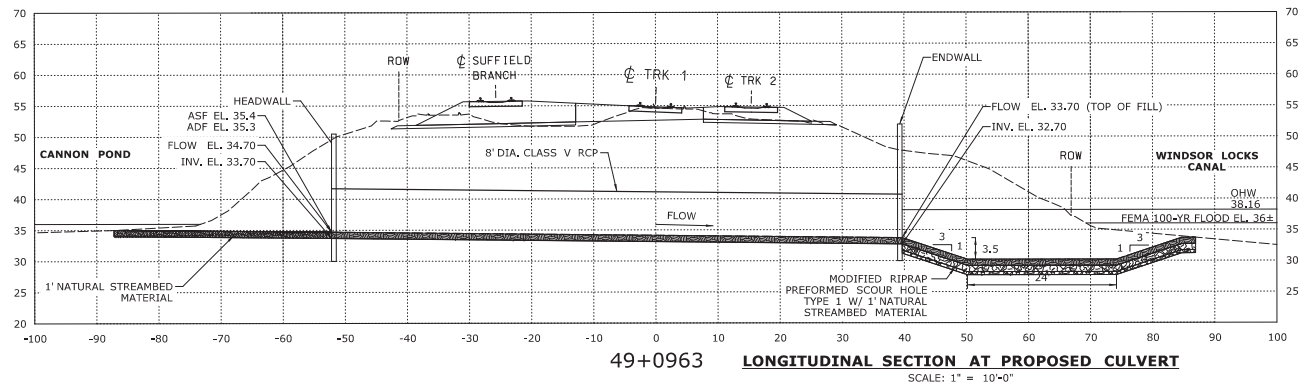
WINDSOR LOCKS
MP 49.15 SITE PLAN



- LEGEND**
 THE PERMITTEE WILL ONLY SUBMIT REVISIONS TO THE CTDEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.
- 100YR — FEMA 100-YR FLOOD
 - - - STATE/FEDERAL WETLAND LIMITS
 - OHW — ORDINARY HIGH WATER LEVEL
 - SCS — SEDIMENTATION CONTROL SYSTEM (SCS)
 - — CUT SLOPE LIMIT
 - — FILL SLOPE LIMIT
 - ▨ — TEMPORARY WETLAND/WATERCOURSE IMPACT
 - — PERMANENT WETLAND/WATERCOURSE IMPACT

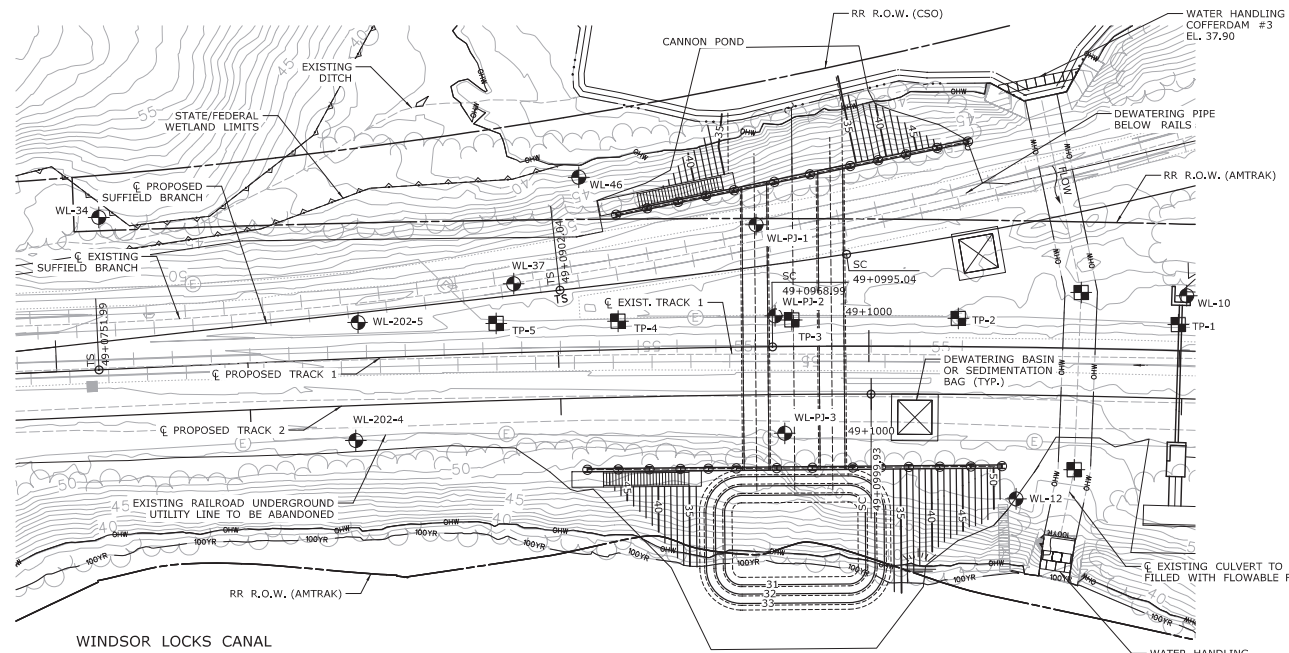
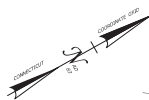
IMPACT AREA	WETLAND/WATERCOURSE IMPACTS								SITE TOTAL	
	PERMANENT				TEMPORARY					
	WETLAND	AC	SF	AC	WETLAND	AC	SF	AC	SF	AC
IMPACT AREA 3	0	0.00	3,231	0.07	0	0.00	2,278	0.05	5,510	0.13

PLAN
 SCALE: 1" = 20'-0"



LONGITUDINAL SECTION AT PROPOSED CULVERT
 SCALE: 1" = 10'-0"

DESIGNER/DRAFTER: L. COLES		CHECKED BY: D. SCHWEITZER				SIGNATURE: 		PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)		TOWN: WINDSOR LOCKS		PROJECT NO. 0320-0016	
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		SCALE IN FEET 						MP 49.15 WETLAND & WATERCOURSE IMPACTS		DRAWING NO. PMT-302		SHEET NO.	
REV. DATE REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE: 3/15/2023	FILENAME: ...FA_LCLR_CPS_0170-0296_165_16_PNW_AMTK_PMT-302.dgn	HNTB HNTB Corporation Engineers, Architects, Planners 315 Chapel Street, 4th Floor New Haven, CT 06510		WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)		WINDSOR LOCKS		PROJECT NO. 0320-0016		DRAWING NO. PMT-302	

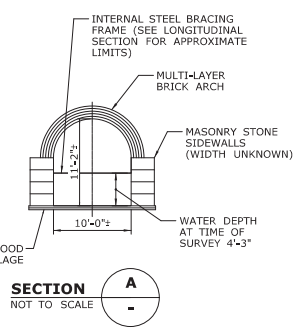
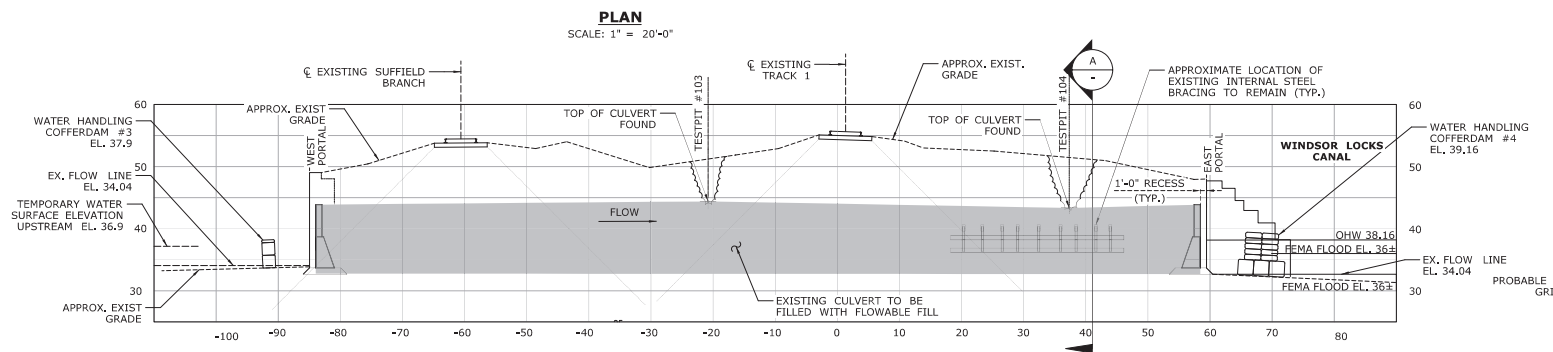


- LEGEND**
 THE PERMITTEE WILL ONLY SUBMIT REVISIONS TO THE CTDEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.
- FEMA 100-YR FLOOD
 - STATE/FEDERAL WETLAND LIMITS
 - ORDINARY HIGH WATER LEVEL
 - SEDIMENTATION CONTROL SYSTEM (SCS)
 - CUT SLOPE LIMIT
 - FILL SLOPE LIMIT
- ☒ DEWATERING BASIN OR SEDIMENT BAG

FILL EXISTING CULVERTS - DURING TRACK 1 SERVICE

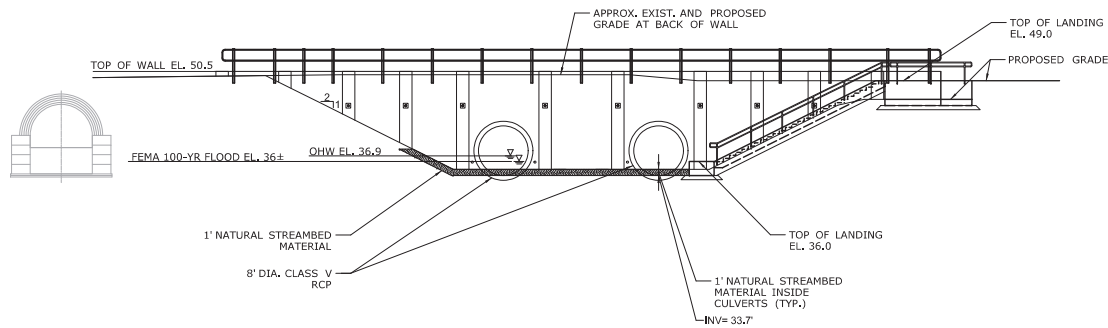
EXISTING TRACK 1 AND THE SUFFIELD BRANCH ARE ACTIVE DURING THIS STAGE, ALL WORK SHALL BE PERFORMED DURING FOUL TIME.

1. INSTALL WATER HANDLING COFFERDAMS.
2. INSTALL DEWATERING EQUIPMENT.
3. DEWATER EXISTING CULVERT.
4. INSTALL GRANULAR FILL AND BOTTOM 5 FEET OF CLOSURE WALL.
5. FILL EXISTING CULVERT WITH FLOWABLE FILL NO HIGHER THAN 2 INCHES BELOW TOP OF CLOSURE WALL.
6. CAST REMAINING PORTION OF CLOSURE WALL TO FILL ANNULAR SPACE OF EXISTING ARCH.
7. FILL REMAINING PORTION OF EXISTING CULVERT WITH FLOWABLE FILL.
8. REMOVE COFFERDAMS AND DEWATERING EQUIPMENT.

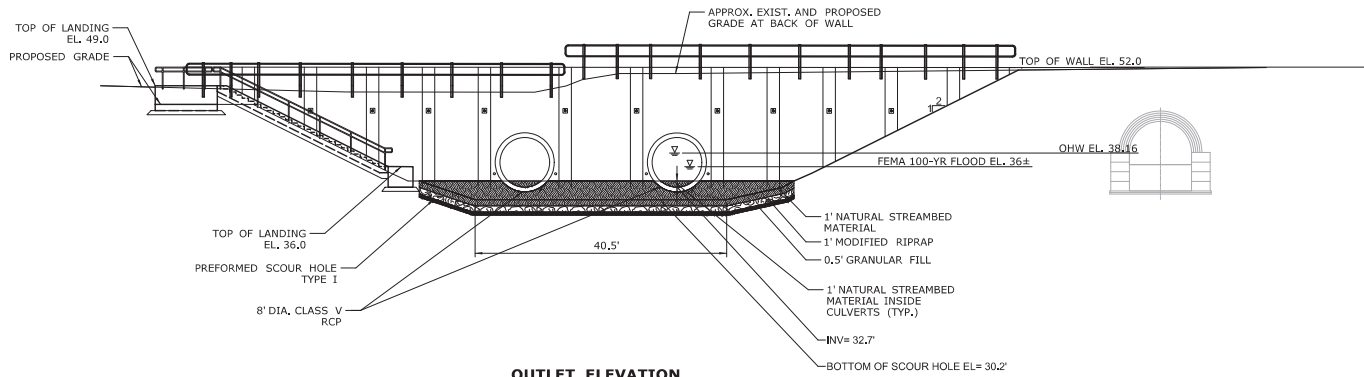


LONGITUDINAL SECTION AT EXISTING CULVERT
 DEVELOPED SECTION ALONG CENTERLINE OF CULVERT
 SCALE: 1" = 10'-0"

REVISION NO. DATE REVISION DESCRIPTION SHEET NO.	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: L. COLES			PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)	TOWN: WINDSOR LOCKS	PROJECT NO. 0320-0016
		CHECKED BY: D. SCHWEITZER					
FILED DATE REVISION DESCRIPTION SHEET NO.	FILED DATE: 3/15/2023	SCALE AS NOTED	File Name: ...FA_CGR_CPS_0170-2295_165_16_PMT_304.dgn	SIGNATURE/SEAL: 	HNTB Corporation 315 Capitol Boulevard, 4th Floor Boston, MA 02114 Phone: 617-552-2000	DRAWING TITLE: MP 49.15 WATER HANDLING	SHEET NO.



INLET ELEVATION
SCALE: 1" = 10'-0"



OUTLET ELEVATION
SCALE: 1" = 10'-0"

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DESIGNER/DRAWER:
L. COLES
CHECKED BY:
D. SCHWEITZER
SCALE AS NOTED



SIGNATURE:
R. P. ...
HNTB
HNTB Corporation
Engineers, Architects, Planners
315 Capital Boulevard, 4th Floor
Harrisburg, PA 17101-2471
Phone: 717.637.2000
Fax: 717.637.2001

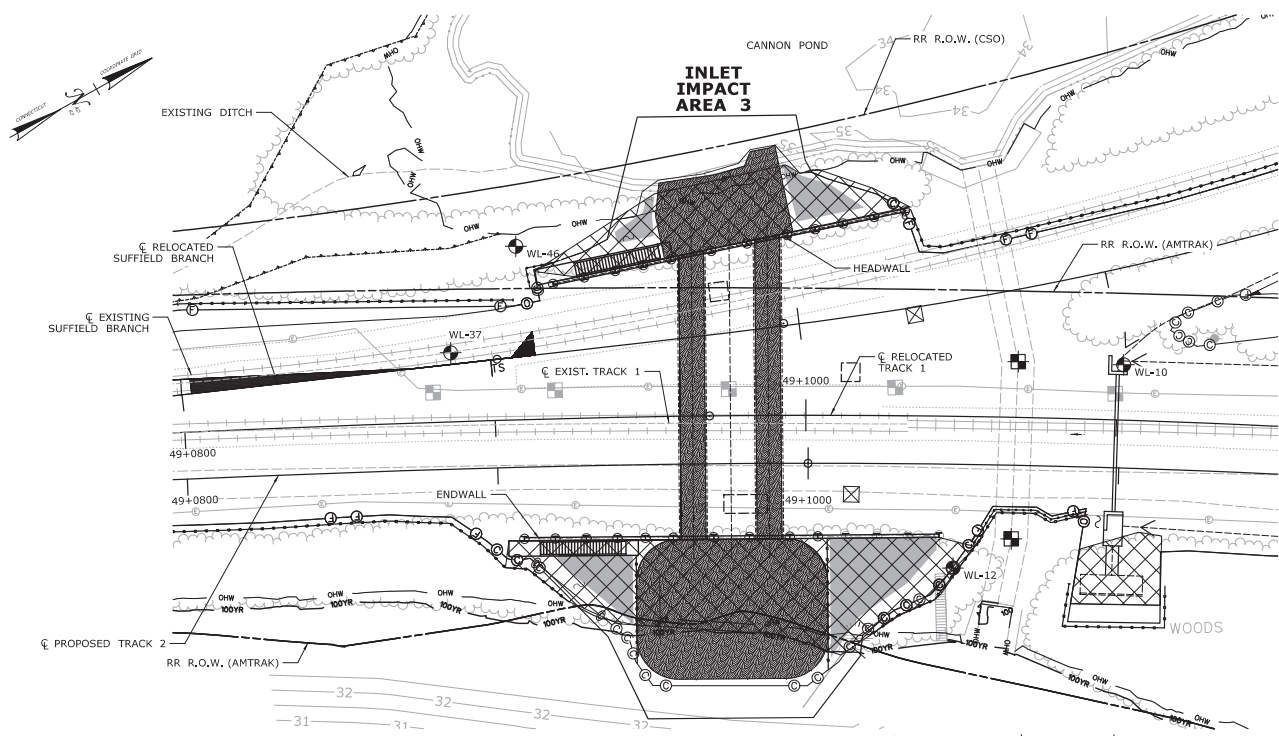
PROJECT TITLE:
**WINDSOR LOCKS RAILROAD STATION
TRACK IMPROVEMENTS
(AMTRAK ACTIVITIES)**

TOWN:
WINDSOR LOCKS
DRAWING TITLE:
**MP 49.15 ELEVATION
PLAN**

PROJECT NO.
0320-0016
DRAWING NO.
PMT-305
SHEET NO.

Plot Date: 5/15/2023

Filename: ...IFA_LCR_CPS_0170-2285_165_16_Plan_AMTK_PMT-305.dgn



LEGEND
 THE PERMITEE WILL ONLY SUBMIT REVISIONS TO THE CTDEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- FEMA 100-YR FLOOD
- - - STATE/FEDERAL WETLAND LIMITS
- ORDINARY HIGH WATER LEVEL
- - - SEDIMENTATION CONTROL SYSTEM (SCS)
- CUT SLOPE LIMIT
- FILL SLOPE LIMIT

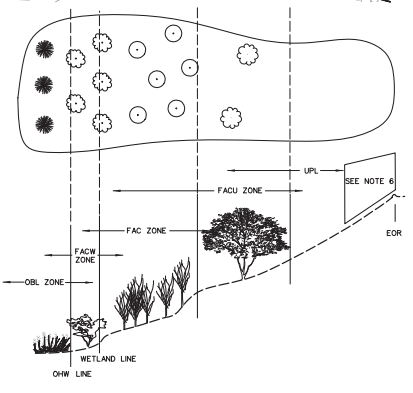
- AREA TO BE RESTORED WITH PLANTINGS
- CONTROL AND REMOVAL OF INVASIVE VEGETATION
- NATURAL STREAMBED MATERIAL

- NOTES**
1. PLANTINGS ON THIS SHEET ARE FOR ENVIRONMENTAL PERMITTING, ANY SUBSTITUTIONS TO THE PERMIT PLANTINGS SHALL BE COORDINATED WITH THE COTR.
 2. PROPOSED PLANTINGS TO BE FIELD LOCATED BY COTR OR THEIR DESIGNATED REPRESENTATIVE.
 3. WOOD CHIP MULCH SHALL NOT BE PLACED IN THE WETLAND AREA.
 4. DISTURBED AREAS BELOW THE WETLAND LIMIT SHALL BE SEEDED WITH WETLAND GRASS ESTABLISHMENT, DISTURBED AREAS ABOVE THE WETLAND LIMIT SHALL BE SEEDED WITH CONSERVATION SEEDING FOR SLOPES, OR OTHER SEED MIX AS SPECIFIED, ALL AREAS SHALL BE RESTORED.
 5. ALL PLANT MATERIAL SHALL BE STRAIGHT SPECIES, NO VARIETIES OR CULTIVARS WILL BE ACCEPTED.
 6. NO PLANTINGS TO BE PLACED IN MOW AREA
 7. AREA TO BE TREATED FOR INVASIVES AND PROPERLY PREPARED FOR FINAL PLANTING, SEEDING, AND RESTORATION.
 8. ALL TREES AND SHRUBS MUST CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK FOR DECIDUOUS SHRUBS, CHAPTER THREE, AND MEET THE MINIMUM CONTAINER SIZE AND ROOT MASS AND NUMBER OF CANES FOR THE TYPE AND HEIGHT SPECIFIED.

PLANT LIST

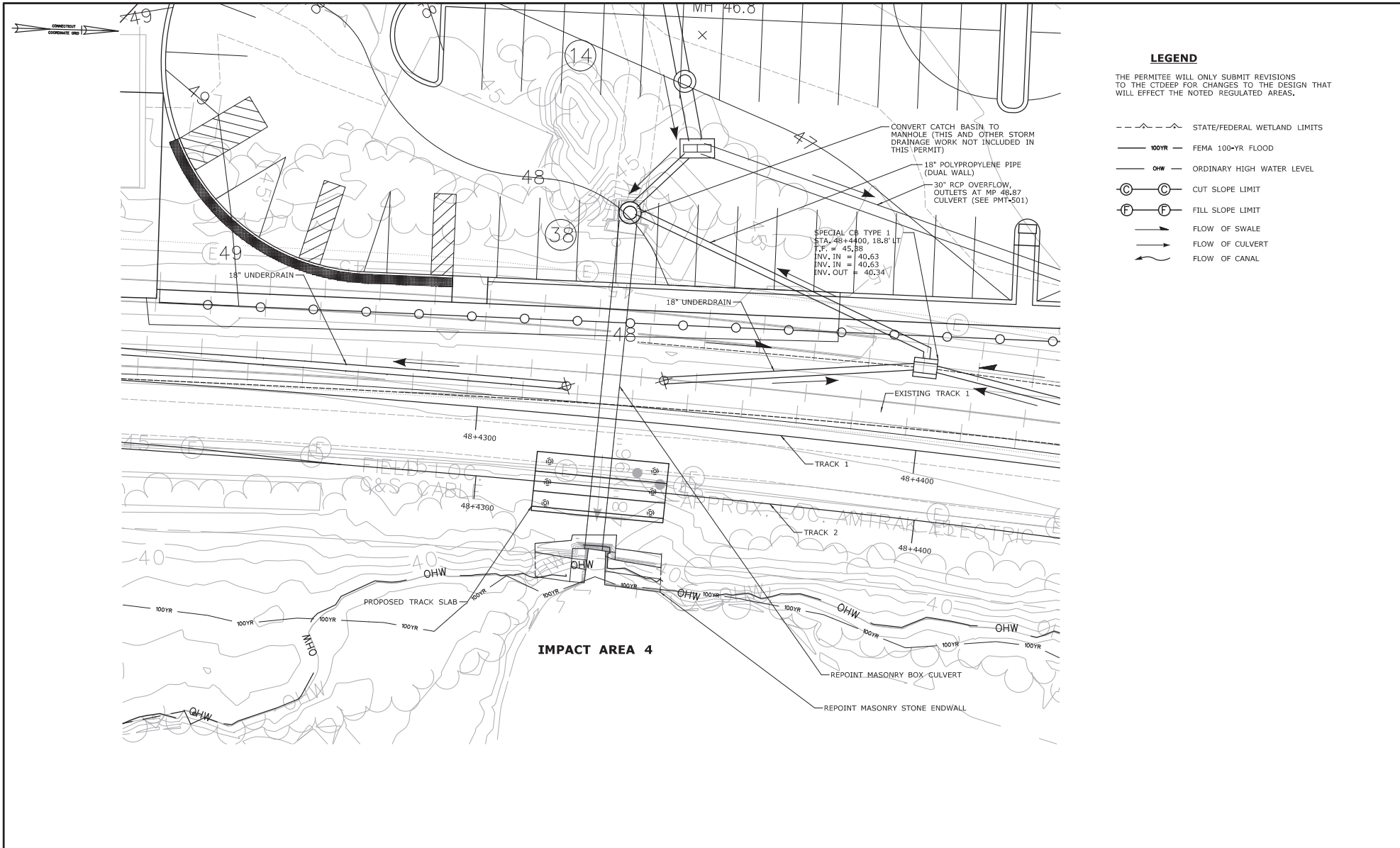
BOTANICAL NAME	COMMON NAME	INDICATOR	SIZE	SPACING	QUANTITY			
					Inlet End	Outlet End	Total	
TREES								
AREA (S.F.)								
<i>Acer Negundo</i>	Boxelder	FAC	2-3' HT B.B.	10' O.C.	1	2	3	
<i>Acer saccharinum</i>	Silver Maple	FACW	18"-24" HT B.B.	10' O.C.	1	1	2	
<i>Acer rubrum</i>	Red Maple	FACW	3-4' HT CONTAINER	10' O.C.	1	1	2	
					TOTAL QTY=	3	4	7
SHRUBS								
<i>Clethra alnifolia</i>	Sweet Pepperbush	FAC	2-3' HT B.B.	5' O.C.	5	12	17	
<i>Cornus amomum</i>	Silky Dogwood	FACW	18"-24" HT CONTAINER	5' O.C.	8	16	24	
<i>Sambucus canadensis</i>	Elderberry	FACW	18"-24" HT CONTAINER	5' O.C.	2	7	9	
<i>Viburnum dentatum</i>	Arrowood	FACW	24"-36" HT CONTAINER	5' O.C.	3	8	11	
					TOTAL QTY=	18	43	61

OUTLET IMPACT AREA 3
PLAN
 1"=20'



SCHEMATIC PLANTING
 NOT TO SCALE

DESIGNER/DRAFTER: L. COLES			SIGNATURE: 	PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)	TOWN: WINDSOR LOCKS	PROJECT NO. 0320-0016
CHECKED BY: D. SCHWEITZER						
SCALE AS NOTED		FILENAME: ...IFA_LCR_CPS_0170-0295_165_16_PMT_AMTK_PMT-306.dgn		SHEET NO. MP 49.15 PERMIT PLANTING PLAN		SHEET NO.
REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE: 3/15/2023	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.			

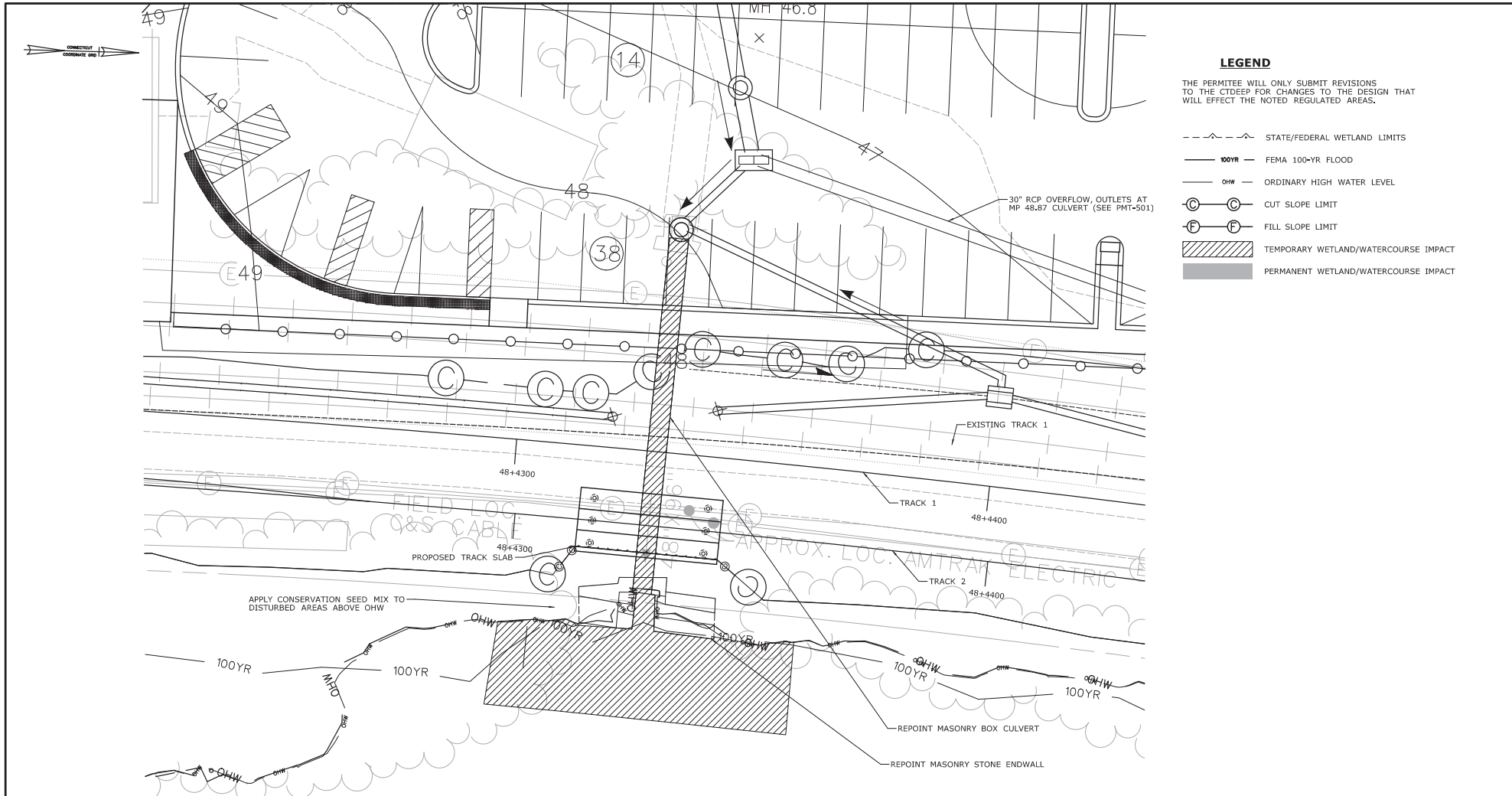


LEGEND

THE PERMITEE WILL ONLY SUBMIT REVISIONS TO THE CTDEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- STATE/FEDERAL WETLAND LIMITS
- 100YR --- FEMA 100-YR FLOOD
- OHW --- ORDINARY HIGH WATER LEVEL
- ⊙ --- CUT SLOPE LIMIT
- ⊖ --- FILL SLOPE LIMIT
- --- FLOW OF SWALE
- --- FLOW OF CULVERT
- --- FLOW OF CANAL

REVISIONS NO. DATE DESCRIPTION SHEET NO.		DESIGNER/DRAFTER: E. LAPLANTE/S. ZARATE CHECKED BY: D. SCHWEITZER SCALE IN FEET 0 10 20 SCALE 1"=10' Filename: ...JFA_ECR_CPS_0170-2295_165_16_Plan_AMTK_PMT-401.dgn		SIGNATURE: HNTB HNTB Corporation Engineers, Architects, Planners 315 Capitol Boulevard, 4th Floor Hartford, CT 06103 Phone: 860.254.7171 Fax: 860.254.7172 hntb.com		PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)		TOWN: WINDSOR LOCKS		PROJECT NO.: 0320-0016 DRAWING NO.: PMT-401 SHEET NO.:	
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		Filed: 01/15/2023		DRAWING TITLE: MP 48.75 SITE PLAN		PROJECT NO.: 0320-0016		DRAWING NO.: PMT-401			



LEGEND

THE PERMITEE WILL ONLY SUBMIT REVISIONS TO THE CTDEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- STATE/FEDERAL WETLAND LIMITS
- 100YR — FEMA 100-YR FLOOD
- OHW — ORDINARY HIGH WATER LEVEL
- ⊙ — CUT SLOPE LIMIT
- ⊖ — FILL SLOPE LIMIT
- ▨ — TEMPORARY WETLAND/WATERCOURSE IMPACT
- — PERMANENT WETLAND/WATERCOURSE IMPACT

IMPACT AREA	WETLAND/WATERCOURSE IMPACTS								SITE TOTAL	
	PERMANENT				TEMPORARY					
	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	SF	AC
IMPACT AREA 4	0	0.00	0	0.00	0	0.00	1508	0.03	1508	0.03

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Method: Dated: 3/15/2023

DESIGNER/DRAFTER:
E. LAPLANTE/S. ZARATE

CHECKED BY:
D. SCHWEITZER

SCALE IN FEET
0 10 20
SCALE 1"=10'



SIGNATURE:
R. P. HNTB

HNTB HNTB Corporation
Engineers, Architects, Planners
315 Capitol Boulevard, 4th Floor
Hartford, CT 06103
Phone: 860.254.2171
Fax: 860.254.2124

PROJECT TITLE:
WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)

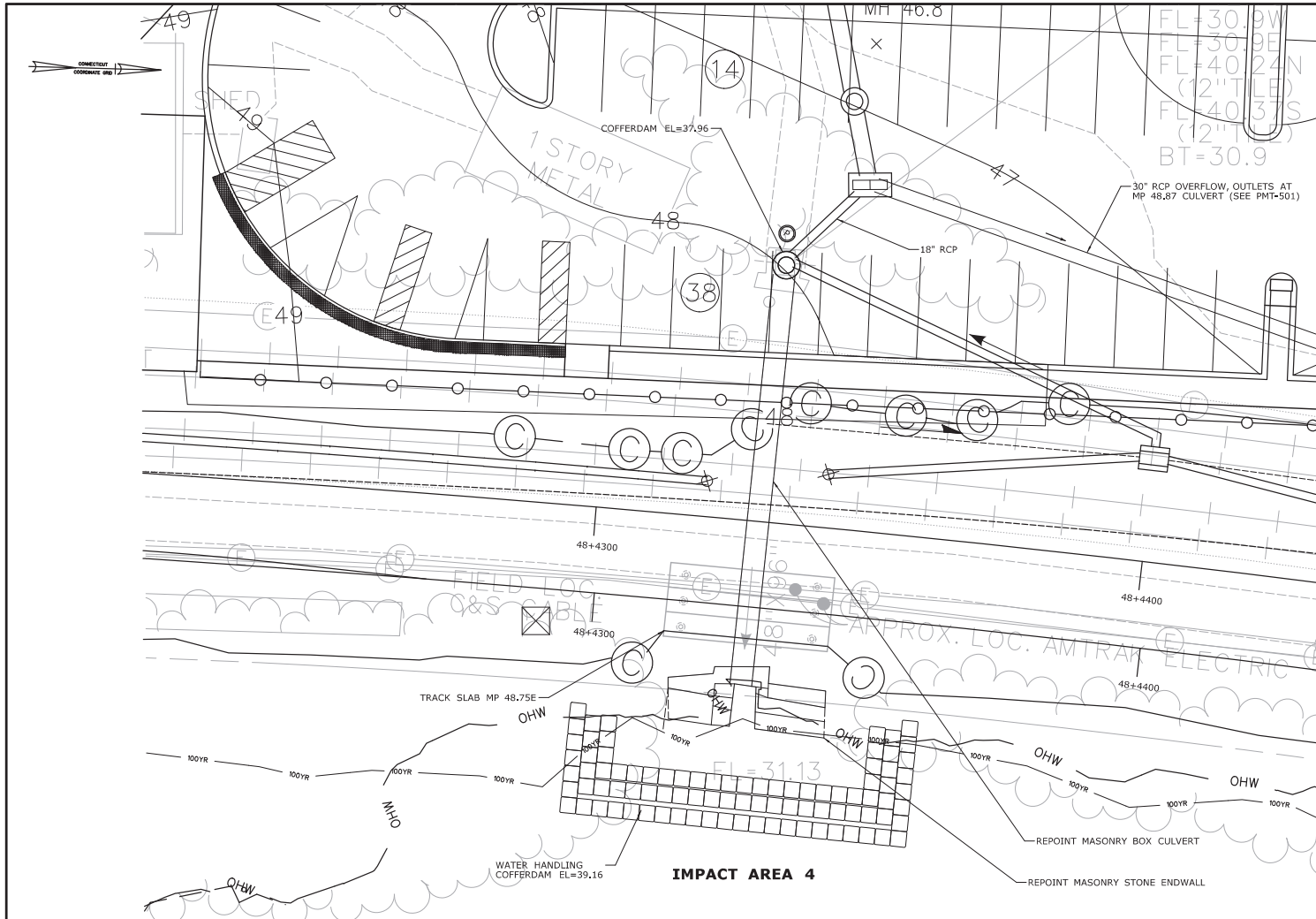
TOWN:
WINDSOR LOCKS

DRAWING TITLE:
MP 48.75 WETLAND & WATERCOURSE IMPACTS

PROJECT NO.
0320-0016

DRAWING NO.
PMT-402

SHEET NO.



LEGEND

THE PERMITEE WILL ONLY SUBMIT REVISIONS TO THE CTDEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- - - STATE/FEDERAL WETLAND LIMITS
- FEMA 100-YR FLOOD
- OHW ORDINARY HIGH WATER LEVEL
- ⊖ ⊖ CUT SLOPE LIMIT
- ⊕ ⊕ FILL SLOPE LIMIT
- ▭▭ WATER HANDLING COFFERDAM
- ⊗ DEWATERING BASIN OR SEDIMENT BAG

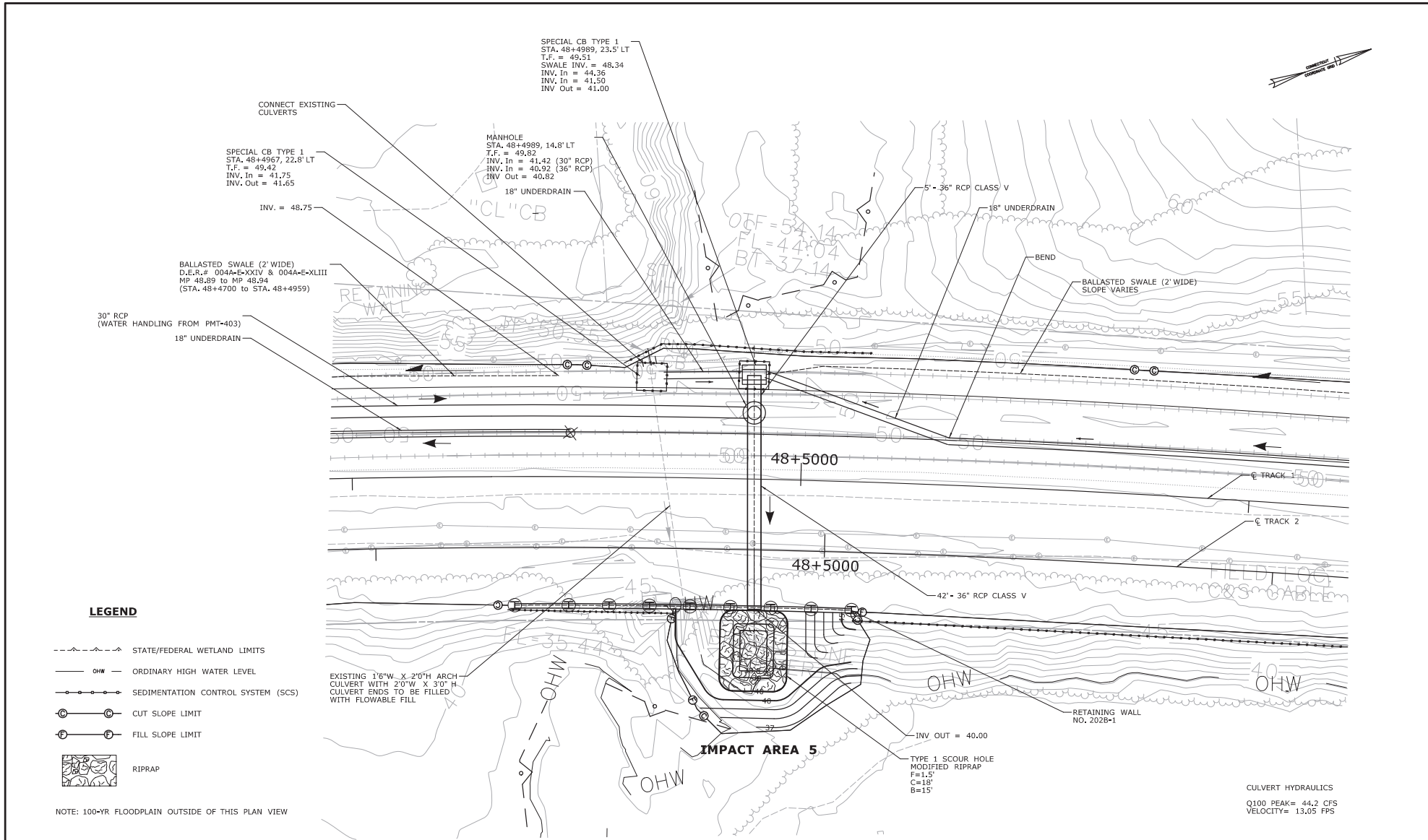
CONSTRUCTION SEQUENCE

1. INSTALL WATER HANDLING COFFERDAM AT ELEVATION 39.46 IN MANHOLE IN FRONT OF INLET OF MASONRY BOX CULVERT.
2. PUMP FLOW TO 30" RCP OUTLET PIPE IN CATCH BASIN. THIS PIPE OUTLETS AT MP 48.87 CULVERT (SEE PMT-501).
3. INSTALL WATER HANDLING COFFERDAM AT THE DOWNSTREAM ENDWALL.
4. REPOINT WALLS AND CULVERT.
5. REMOVE PUMP AND COFFERDAM.

NOTE:
 CONTRACTOR MAY ALSO CHOOSE TO PUMP THROUGH THE EXISTING CULVERT CONCURRENT WITH THE WORK IF THE APPARATUS ALLOWS FOR SAFE AND EFFICIENT PROGRESS.
 OUTLET TO BE RESTORED TO PREEXISTING CONDITIONS AT COMPLETION OF WORK PER DIRECTION OF COTR.

TEMPORARY HYDRAULIC DATA	
AVERAGE DAILY FLOW	1.4 CFS
AVERAGE SPRING FLOW	2.7 CFS
2-YEAR FREQUENCY DISCHARGE	101.88 CFS
TEMPORARY DESIGN DISCHARGE	101.8 CFS
TEMPORARY DESIGN FREQUENCY	2 YEAR
TEMPORARY WATER SURFACE ELEVATION UPSTREAM	36.96 FT
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM	38.16 FT

REVISIONS: NO. DATE DESCRIPTION SHEET NO.	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: E. LAPLANTE/S. ZARATE CHECKED BY: D. SCHWEITZER SCALE IN FEET 0 10 20 SCALE 1"=10'		SIGNATURE: 	PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)	TOWN: WINDSOR LOCKS DRAWING TITLE: MP 48.75 WATER HANDLING PLAN	PROJECT NO. 0320-0016 DRAWING NO. PMT-403 SHEET NO.
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LEGEND

- STATE/FEDERAL WETLAND LIMITS
- OHW — ORDINARY HIGH WATER LEVEL
- SEDIMENTATION CONTROL SYSTEM (SCS)
- ⊙ — CUT SLOPE LIMIT
- ⊖ — FILL SLOPE LIMIT
- RIPRAP

NOTE: 100-YR FLOODPLAIN OUTSIDE OF THIS PLAN VIEW

EXISTING 16"W X 2'0"H ARCH
CULVERT WITH 2'0"W X 3'0" H
CULVERT ENDS TO BE FILLED
WITH FLOWABLE FILL

DESIGNER/DRAFTER:
E. LAPLANTE/S. ZARATE
CHECKED BY:
D. SCHWEITZER
SCALE IN FEET
SCALE 1"=10'



SIGNATURE:
RUPNIK

HNTB HNTB Corporation
Engineers, Architects, Planners
315 Capital Boulevard, 4th Floor
New York, NY 10022
Tel: 212.269.7000
Fax: 212.269.7001
www.hntb.com

PROJECT TITLE:
**WINDSOR LOCKS RAILROAD STATION
TRACK IMPROVEMENTS
(ATRAK ACTIVITIES)**

TOWN:
WINDSOR LOCKS
DRAWING TITLE:
MP 48.87 SITE PLAN

PROJECT NO.
0320-0016
DRAWING NO.
PMT-501
SHEET NO.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Printed Date: 9/15/2023

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CULVERT HYDRAULICS
Q100 PEAK= 44.2 CFS
VELOCITY= 13.05 FPS

TYPE 1 SCOUR HOLE
MODIFIED RIPRAP
F=1.5'
C=18'
B=15'

INV OUT = 40.00

RETAINING WALL
NO. 202B-1

FILLED TIE
C/S CABLE

IMPACT AREA 5

48+5000

48+5000

TRACK 1

TRACK 2

SPECIAL CB TYPE 1
STA. 48+4989, 14.8' LT
T.F. = 49.51
SWALE INV. = 48.34
INV. In = 44.36
INV. In = 41.50
INV. Out = 41.00

MANHOLE
STA. 48+4989, 14.8' LT
T.F. = 49.82
INV. In = 41.42 (30" RCP)
INV. In = 40.92 (36" RCP)
INV. Out = 40.82

SPECIAL CB TYPE 1
STA. 48+4967, 22.8' LT
T.F. = 49.42
INV. In = 41.75
INV. Out = 41.65

BALLASTED SWALE (2' WIDE)
D.I.R.# 004A-E-XXIV & 004A-E-XLIII
MP 48.89 to MP 48.94
(STA. 48+4700 to STA. 48+4959)

30" RCP
(WATER HANDLING FROM PMT-403)
18" UNDERDRAIN

18" UNDERDRAIN

5' - 36" RCP CLASS V

18" UNDERDRAIN

BEND

BALLASTED SWALE (2' WIDE)
SLOPE VARIES

RETAINING WALL

18" UNDERDRAIN

"CL" CB

OTF=54.14
FL=44.04
BT=37.14

OHW

OHW

OHW

OHW

OHW

OHW

OHW

OHW

OHW

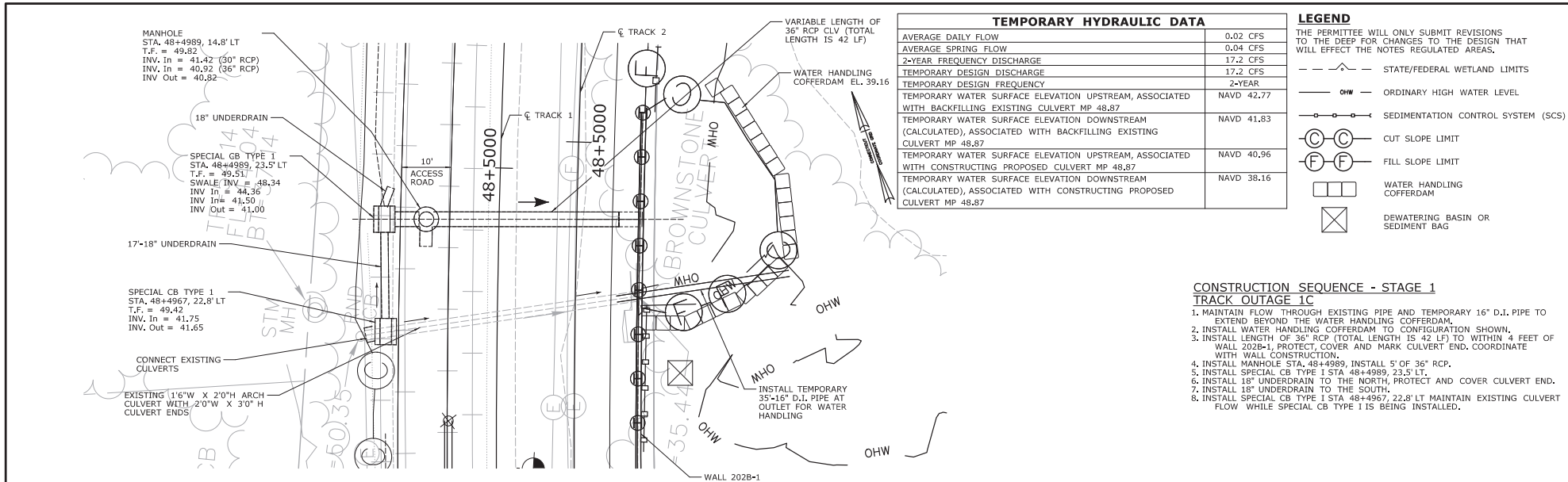
OHW

OHW

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OHW

OHW

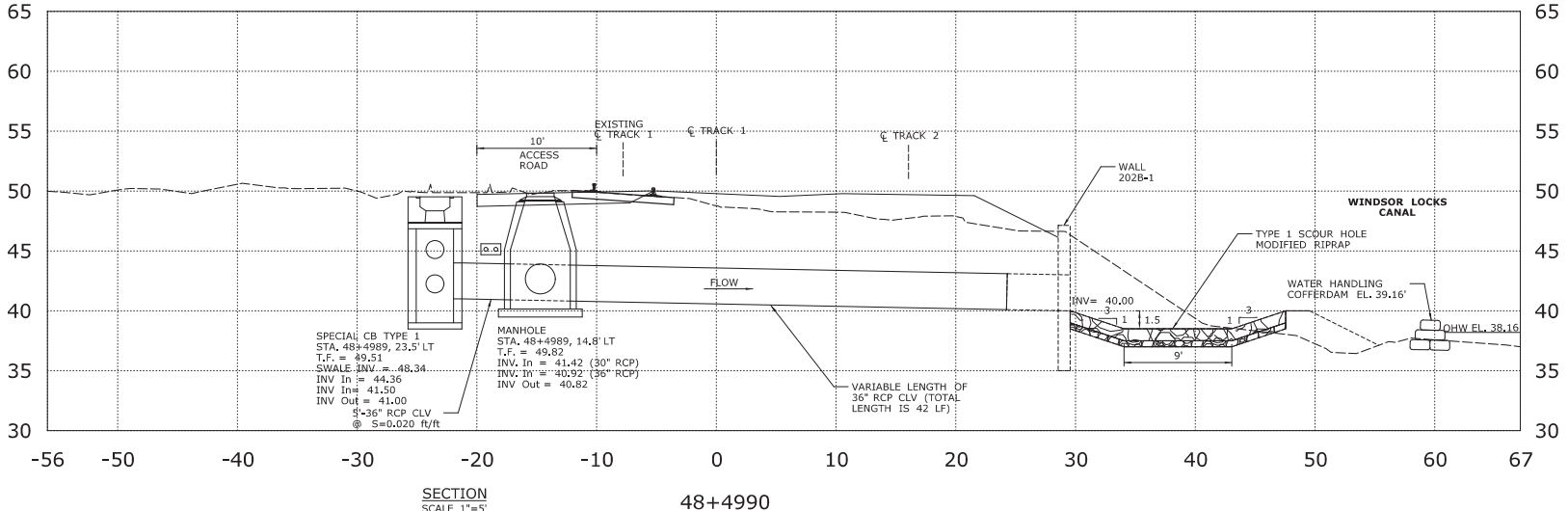


TEMPORARY HYDRAULIC DATA	
AVERAGE DAILY FLOW	0.02 CFS
AVERAGE SPRING FLOW	0.04 CFS
2-YEAR FREQUENCY DISCHARGE	17.2 CFS
TEMPORARY DESIGN DISCHARGE	2-YEAR
TEMPORARY WATER SURFACE ELEVATION UPSTREAM, ASSOCIATED WITH BACKFILLING EXISTING CULVERT MP 48.87	NAVD 42.77
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM (CALCULATED), ASSOCIATED WITH BACKFILLING EXISTING CULVERT MP 48.87	NAVD 41.83
TEMPORARY WATER SURFACE ELEVATION UPSTREAM, ASSOCIATED WITH CONSTRUCTING PROPOSED CULVERT MP 48.87	NAVD 40.96
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM (CALCULATED), ASSOCIATED WITH CONSTRUCTING PROPOSED CULVERT MP 48.87	NAVD 38.16

LEGEND	
THE PERMITTEE WILL ONLY SUBMIT REVISIONS TO THE DEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTES REGULATED AREAS.	
	STATE/FEDERAL WETLAND LIMITS
	ORDINARY HIGH WATER LEVEL
	SEDIMENTATION CONTROL SYSTEM (SCS)
	CUT SLOPE LIMIT
	FILL SLOPE LIMIT
	WATER HANDLING COFFERDAM
	DEWATERING BASIN OR SEDIMENT BAG

- CONSTRUCTION SEQUENCE - STAGE 1**
TRACK OUTAGE 1C
1. MAINTAIN FLOW THROUGH EXISTING PIPE AND TEMPORARY 16" D.I. PIPE TO EXTEND BEYOND THE WATER HANDLING COFFERDAM.
 2. INSTALL WATER HANDLING COFFERDAM TO CONFIGURATION SHOWN.
 3. INSTALL LENGTH OF 36" RCP (TOTAL LENGTH IS 42 LF) TO WITHIN 4 FEET OF WALL 202B-1. PROTECT, COVER AND MARK CULVERT END. COORDINATE WITH WALL CONSTRUCTION.
 4. INSTALL MANHOLE STA. 48+4989, INSTALL 5' OF 36" RCP.
 5. INSTALL SPECIAL CB TYPE 1 STA. 48+4989, 23.5' LT.
 6. INSTALL 18" UNDERDRAIN TO THE NORTH, PROTECT AND COVER CULVERT END.
 7. INSTALL 18" UNDERDRAIN TO THE SOUTH.
 8. INSTALL SPECIAL CB TYPE 1 STA. 48+4967, 22.8' LT MAINTAIN EXISTING CULVERT FLOW WHILE SPECIAL CB TYPE 1 IS BEING INSTALLED.

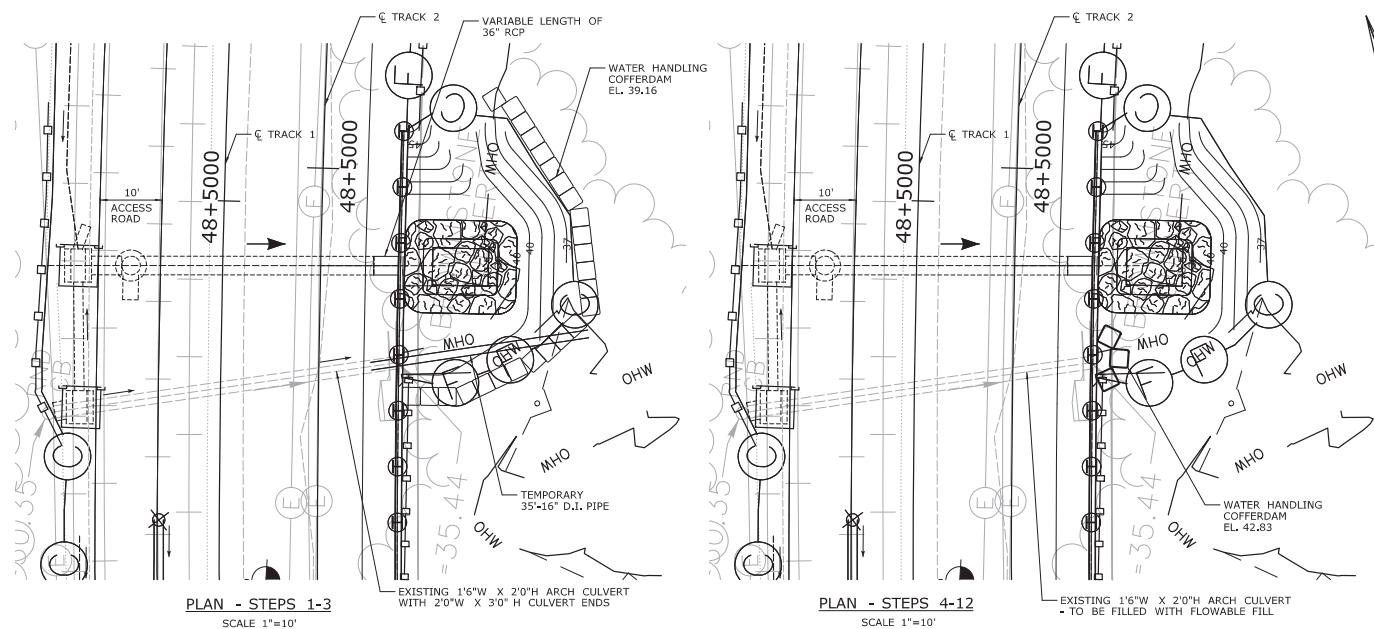
PLAN
 SCALE 1"=10'
 NOTE: 100-YR FLOODPLAIN OUTSIDE OF THIS PLAN VIEW
 DRAINAGE LAYOUT - STATIONS AND OFFSETS BASED OFF OF TRACK 1 BASELINE



SECTION
 SCALE 1"=5'
 48+4990

DESIGNER/DRAFTER: E. LAPLANTE/S. ZARATE CHECKED BY: D. SCHWEITZER SCALE AS NOTED		SIGNATURE: PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)	TOWN: WINDSOR LOCKS DRAWING TITLE: M.P. 48.87 WATER HANDLING PLAN	PROJECT NO. 0320-0016 DRAWING NO. PMT-503 SHEET NO.
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	FILENAME: ...FA_FGR_CPS_0170-2295_165_16_PNV_AMTK_PMT-503.dgn	HNTB HNTB Corporation Engineers, Architects, Planners 4800 Old Branch Road Hunt Valley, MD 21086	SHEET NO.	SHEET NO.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Printed Date: 3/15/2023



- CONSTRUCTION SEQUENCE - STAGE 1**
POST - TRACK OUTAGE 1C
1. MAINTAIN FLOW THROUGH EXISTING PIPE AND TEMPORARY 16" D.I. PIPE.
 2. COORDINATE WORK FOR THE COMPLETION OF WALL 202B-1 - SEE SUBSET 17 FOR MORE INFORMATION.
 3. UPON COMPLETION OF WALL 202B-1, CONTINUE WITH WORK BELOW.
 4. INSTALL TYPE 1 SCOUR HOLE MODIFIED RIPRAP SHOWN ON THE PLANS.
 5. ADJUST COFFERDAM CONFIGURATION TO NOT IMPEDE FLOW FROM THE PROPOSED CULVERT.
 6. DIVERT FLOW WITHIN SPECIAL CB TYPE 1, STA 48+4967, 22.8' LT TO NEWLY INSTALLED 36" RCP.
 7. ADJUST COFFERDAM CONFIGURATION TO ALLOW FOR CLOSURE OF THE EXISTING CULVERT. ELEVATION OF COFFERDAM INCREASES TO 42.83.
 8. REMOVE TEMPORARY 16" D.I. PIPE.
 9. BULKHEAD DOWNSTREAM END OF EXISTING CULVERT.
 10. FILL EXISTING CULVERT WITH FLOWABLE FILL.
 11. BULKHEAD UPSTREAM END OF EXISTING CULVERT.
 12. COMPLETE GRADING AT THE DOWNSTREAM END OF THE EXISTING CULVERT.
 13. COMPLETE CONSTRUCTION OF SPECIAL CB TYPE 1 STA 48+4967, 22.8' LT REMOVE THE COFFERDAM AND DEWATERING DEVICES.

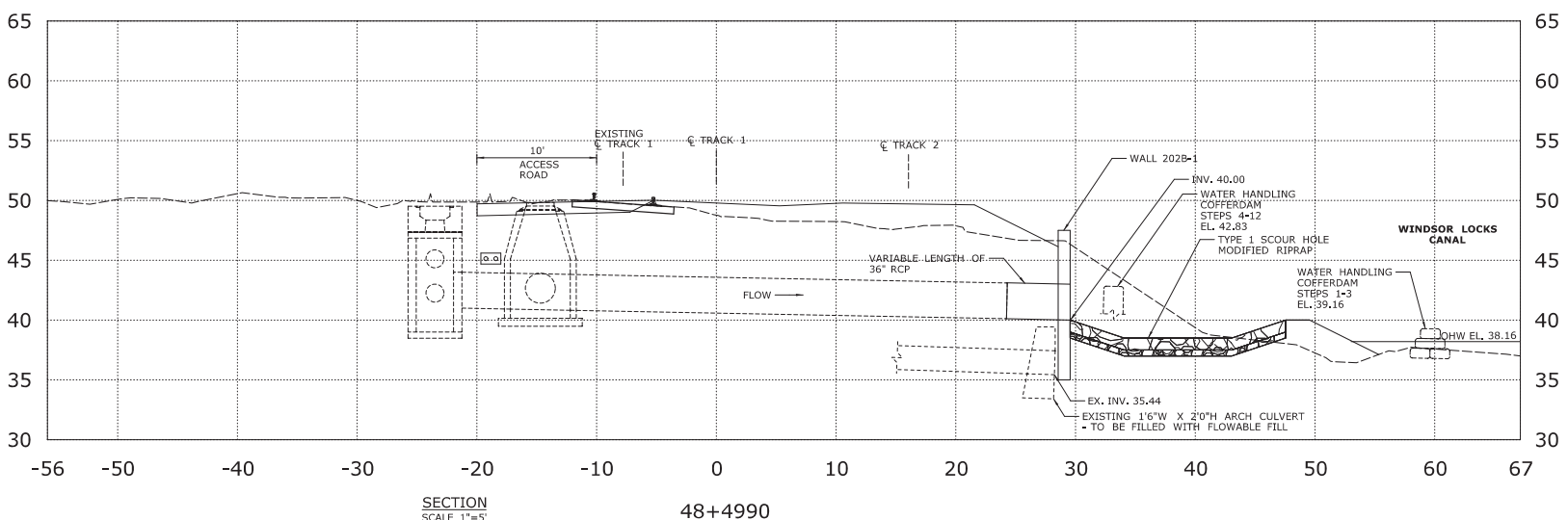
FILL EXISTING CULVERT WITH FLOWABLE FILL.
 THIS STAGE WILL BE NEEDED, AS DETERMINED BY THE CONTRACTOR, IF THE FULL CULVERT CANNOT BE INSTALLED IN ONE OUTAGE.

LEGEND

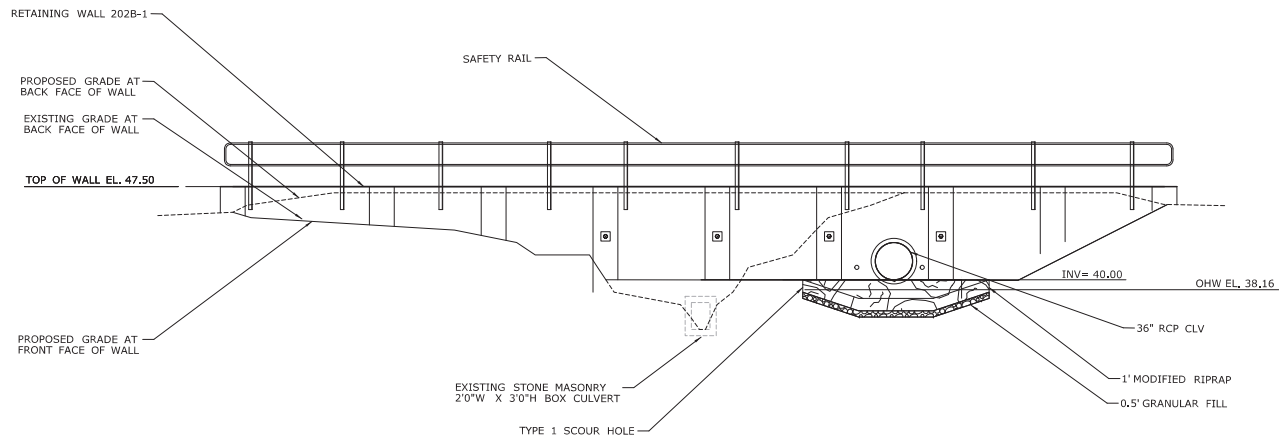
THE PERMITEE WILL ONLY SUBMIT REVISIONS TO THE DEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTES REGULATED AREAS.

- STATE/FEDERAL WETLAND LIMITS
- OHW --- ORDINARY HIGH WATER LEVEL
- SEDIMENTATION CONTROL SYSTEM (SCS)
- ○ CUT SLOPE LIMIT
- ○ FILL SLOPE LIMIT
- □ WATER HANDLING COFFERDAM

NOTE: FEMA 100-YR FLOODPLAIN OUTSIDE OF THIS VIEW
 DRAINAGE LAYOUT - STATIONS AND OFFSETS BASED OFF OF TRACK 1 BASELINE



DESIGNER/DRAWER: E. LAPLANTE/S. ZARATE CHECKED BY: D. SCHWEITZER SCALE AS NOTED				SIGNATURE: 		PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION IMPROVEMENTS (AMTRAK ACTIVITIES)		TOWN: WINDSOR LOCKS		PROJECT NO. 0320-0016	
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.						DRAWING NO. PMT-504		DRAWING TITLE: M.P. 48.87 WATER HANDLING PLAN		SHEET NO.	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Printed Date: 3/15/2023							



OUTLET ELEVATION
SCALE: 1" = 5'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
E. LAPLANTE/S. ZARATE
CHECKED BY:
D. SCHWEITZER
SCALE IN FEET
0 20 40 60 80
SCALE 1" = 10'



SIGNATURE:
RUCPK
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315 Capital Boulevard, 4th Floor
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www.hntb.com

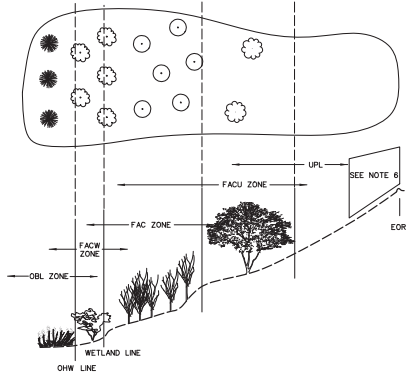
PROJECT TITLE:
**WINDSOR LOCKS
RAILROAD STATION IMPROVEMENTS
(AMTRAK ACTIVITIES)**

TOWN:
WINDSOR LOCKS
DRAWING TITLE:
**MP 48.87 ELEVATION
PLAN**

PROJECT NO.
0320-0016
DRAWING NO.
PMT-505
SHEET NO.

REV. DATE REVISION DESCRIPTION SHEET NO. PlotDate: 9/15/2023

Filename: ...JFA_CGR_CPS_0170-2265_165_16_Plan_AMTK_PMT-505.dgn



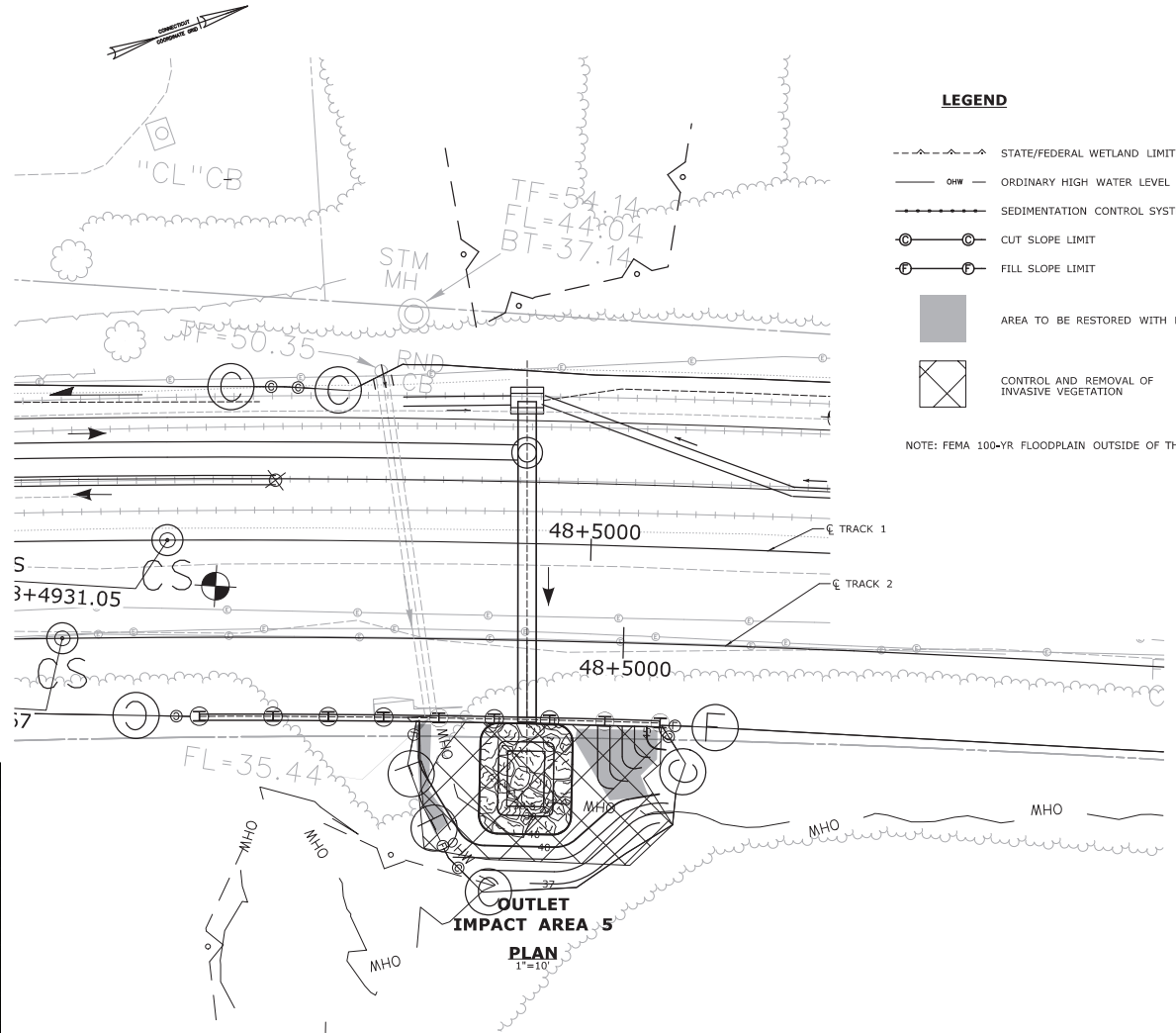
SCHEMATIC PLANTING
NOT TO SCALE

NOTES

1. PLANTINGS ON THIS SHEET ARE FOR ENVIRONMENTAL PERMITTING. ANY SUBSTITUTIONS TO THE PERMIT PLANTINGS SHALL BE COORDINATED WITH THE COYR.
2. PROPOSED PLANTINGS TO BE FIELD LOCATED BY COYR OR THEIR DESIGNATED REPRESENTATIVE.
3. WOOD CHIP MULCH SHALL NOT BE PLACED IN THE WETLAND AREA.
4. DISTURBED AREAS BELOW THE WETLAND LIMIT SHALL BE SEEDED WITH WETLAND GRASS ESTABLISHMENT. DISTURBED AREAS ABOVE THE WETLAND LIMIT SHALL BE SEEDED WITH CONSERVATION SEEDING FOR SLOPES, OR OTHER SEED MIX AS SPECIFIED. ALL AREAS SHALL BE RESTORED.
5. ALL PLANT MATERIAL SHALL BE STRAIGHT SPECIES, NO VARIETIES OR CULTIVARS WILL BE ACCEPTED.
6. NO PLANTINGS TO BE PLACED IN MOW AREA
7. AREA TO BE TREATED FOR INVASIVES AND PROPERLY PREPARED FOR FINAL PLANTING, SEEDING, AND RESTORATION.
8. ALL TREES AND SHRUBS MUST CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK FOR DECIDUOUS SHRUBS, CHAPTER THREE, AND MEET THE MINIMUM CONTAINER SIZE AND ROOT MASS AND NUMBER OF CANES FOR THE TYPE AND HEIGHT SPECIFIED.

PLANT LIST

BOTANICAL NAME	COMMON NAME	INDICATOR	SIZE	SPACING	QUANTITY		
					Inlet End	Outlet End	Total
AREA (S.F.)							
TREES							
<i>Acer Negundo</i>	Boxelder	FAC	2-3' HT 8" B.B.	10' O.C.	0	0	0
<i>Acer saccharinum</i>	Silver Maple	FACW	18' - 24' HT 8" B.B.	10' O.C.	0	1	1
<i>Acer rubrum</i>	Red Maple	FACW	3-4' HT WHIPS BR.	10' O.C.	0	1	1
						2	2
SHRUBS							
<i>Clethra alnifolia</i>	Sweet Pepperbush	FAC	2-3' HT 8" B.B.	5' O.C.	0	2	2
<i>Cornus amomum</i>	Silky Dogwood	FACW	18' - 24' HT CONTAINER	5' O.C.	0	3	3
<i>Sambucus canadensis</i>	Elderberry	FACW	18' - 24' HT CONTAINER	5' O.C.	0	4	4
<i>Viburnum dentatum</i>	Arrowood	FACW	24-36" HT CONTAINER	5' O.C.	0	2	2
					0	11	11



LEGEND

- - - STATE/FEDERAL WETLAND LIMITS
- OHW — ORDINARY HIGH WATER LEVEL
- SCS — SEDIMENTATION CONTROL SYSTEM (SCS)
- ⊙ — CUT SLOPE LIMIT
- ⊕ — FILL SLOPE LIMIT
- AREA TO BE RESTORED WITH PLANTINGS
- ⊠ CONTROL AND REMOVAL OF INVASIVE VEGETATION

NOTE: FEMA 100-YR FLOODPLAIN OUTSIDE OF THIS VIEW

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Printed Date: 9/15/2023

DESIGNER/DRAFTER:
E. LAPLANTE/S. ZARATE
CHECKED BY:
D. SCHWEITZER
SCALE AS NOTED

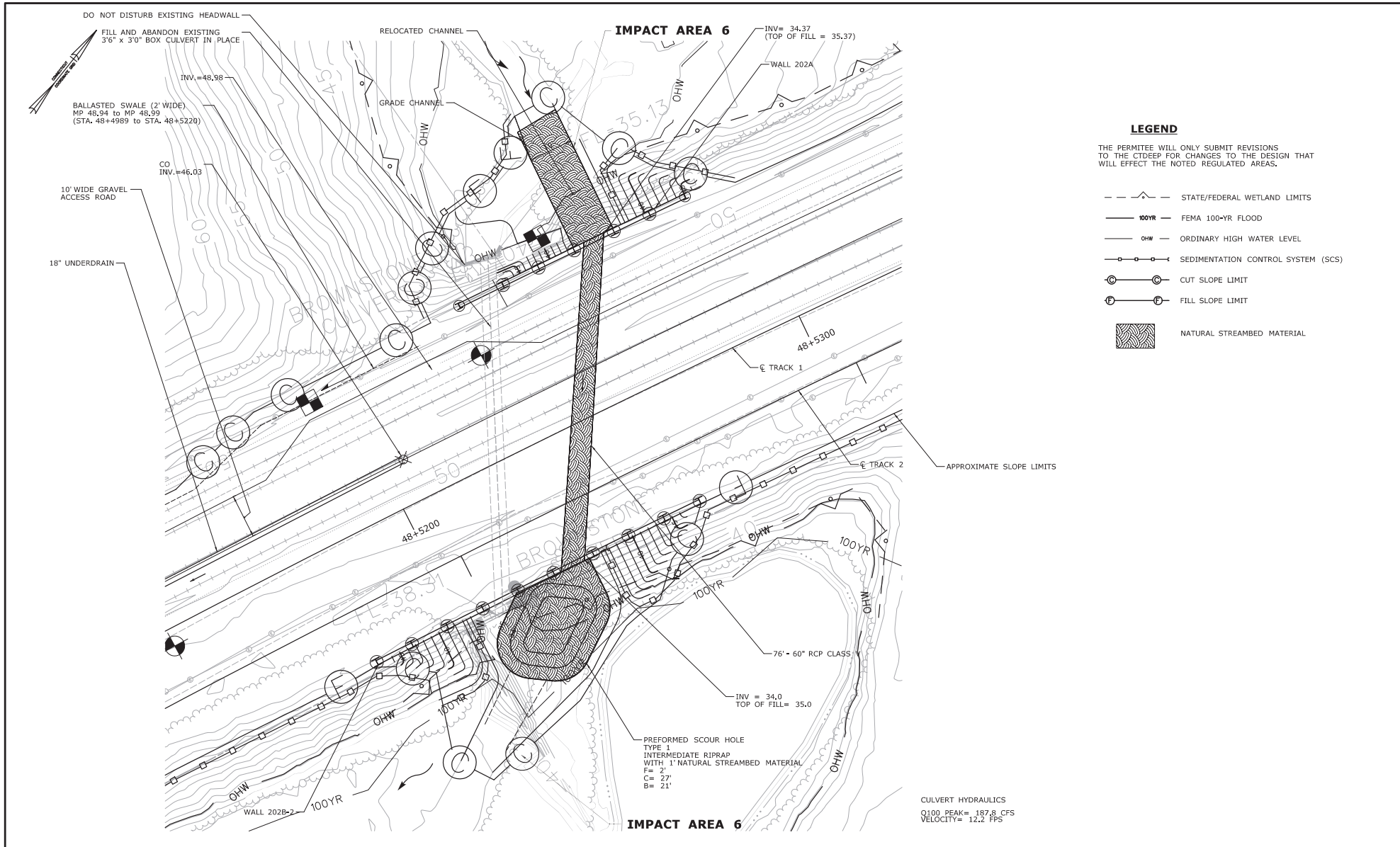


SIGNATURE:
REVISION:
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HNTB Corporation
Engineers, Architects, Planners
311 Capital Boulevard, 4th Floor
Baltimore, MD 21201
Phone: 410.528.2000
Fax: 410.528.2001

PROJECT TITLE:
**WINDSOR LOCKS
RAILROAD STATION IMPROVEMENTS
(AMTRAK ACTIVITIES)**

TOWN:
WINDSOR LOCKS
DRAWING TITLE:
**MP 48.87 PERMIT
PLANTING PLAN**

PROJECT NO.:
0320-0016
DRAWING NO.:
PMT-506
SHEET NO.:



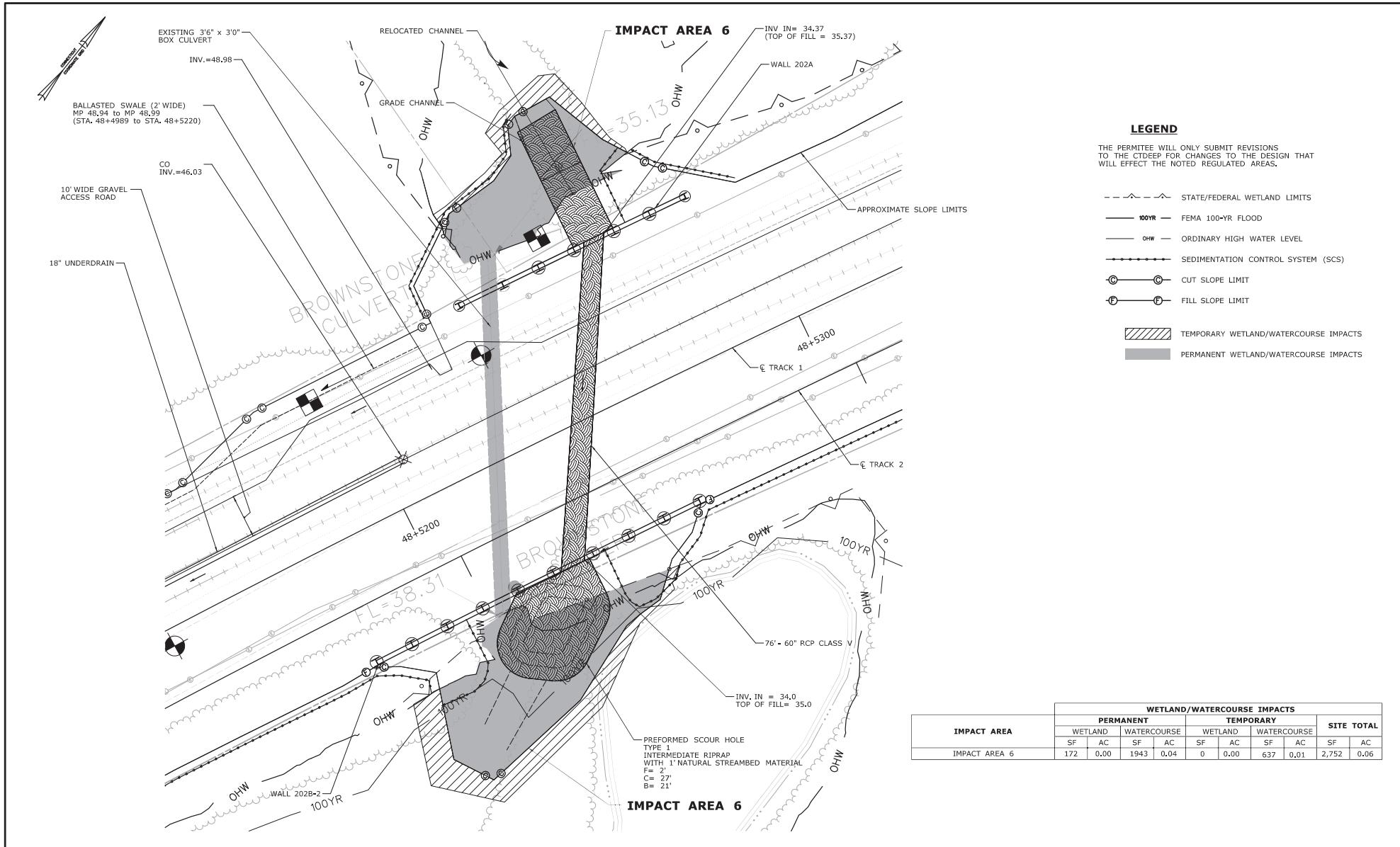
LEGEND

THE PERMITEE WILL ONLY SUBMIT REVISIONS TO THE CIDEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- STATE/FEDERAL WETLAND LIMITS
- FEMA 100-YR FLOOD
- OHW --- ORDINARY HIGH WATER LEVEL
- SEDIMENTATION CONTROL SYSTEM (SCS)
- CUT SLOPE LIMIT
- FILL SLOPE LIMIT
- NATURAL STREAMBED MATERIAL

CULVERT HYDRAULICS
 Q100 PEAK = 187.8 CFS
 VELOCITY = 12.2 FPS

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REVISION DESCRIPTION SHEET NO. PLOT/DRAW DATE: 3/15/2023						



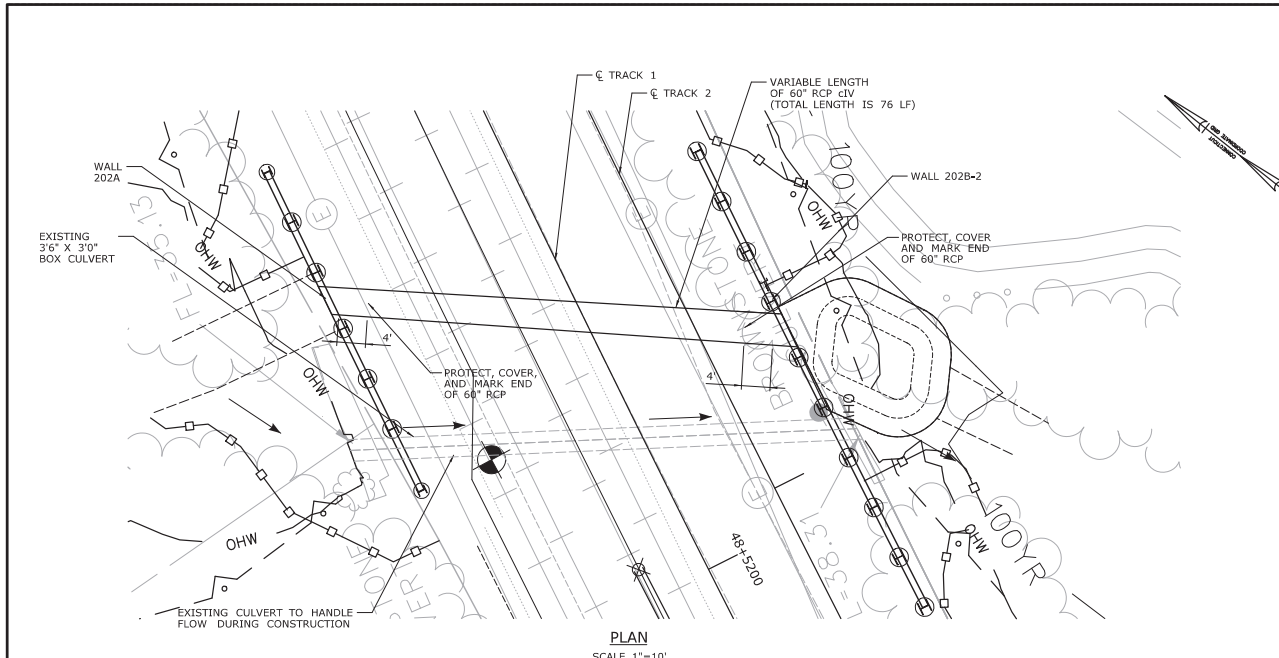
LEGEND

THE PERMITEE WILL ONLY SUBMIT REVISIONS TO THE CTDPEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- - - - - STATE/FEDERAL WETLAND LIMITS
- 100YR — FEMA 100-YR FLOOD
- OHW — ORDINARY HIGH WATER LEVEL
- — — — — SEDIMENTATION CONTROL SYSTEM (SCS)
- ⊙ — ⊙ — CUT SLOPE LIMIT
- ⊖ — ⊖ — FILL SLOPE LIMIT
- TEMPORARY WETLAND/WATERCOURSE IMPACTS
- PERMANENT WETLAND/WATERCOURSE IMPACTS

IMPACT AREA	WETLAND/WATERCOURSE IMPACTS								SITE TOTAL	
	PERMANENT				TEMPORARY					
	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	WETLAND	WATERCOURSE	SF	AC
IMPACT AREA 6	172	0.00	1943	0.04	0	0.00	637	0.01	2,752	0.06

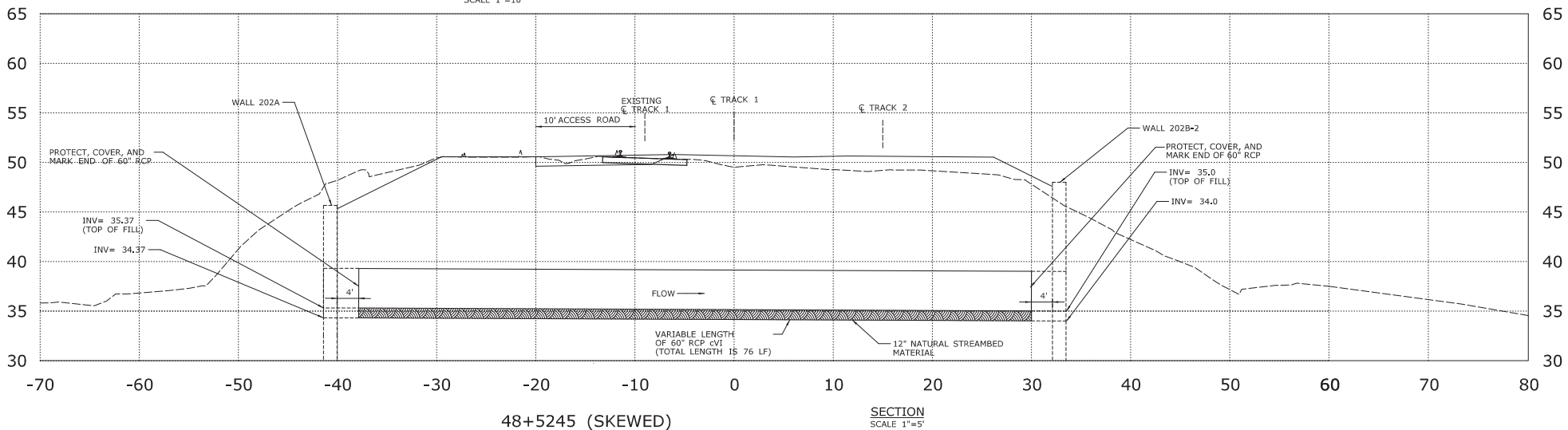
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REVISION DESCRIPTION SHEET NO. PLOT/DRAW DATE: 3/15/2023	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.								DRAWING TITLE: MP 48.92 WETLAND & WATERCOURSE IMPACTS



- LEGEND**
- THE PERMITEE WILL ONLY SUBMIT REVISIONS TO THE CTDEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.
- STATE/FEDERAL WETLAND LIMITS
 - 100YR FEMA 100-YR FLOOD
 - - - - - FEMA FLOODWAY LIMITS
 - OHW ORDINARY HIGH WATER LEVEL
 - SEDIMENTATION CONTROL SYSTEM (SCS)
 - CUT SLOPE LIMIT
 - FILL SLOPE LIMIT
 - ▭ WATER HANDLING COFFERDAM
 - DIRECTION OF FLOW
 - ⊗ DEWATERING BASIN OR SEDIMENT BAG

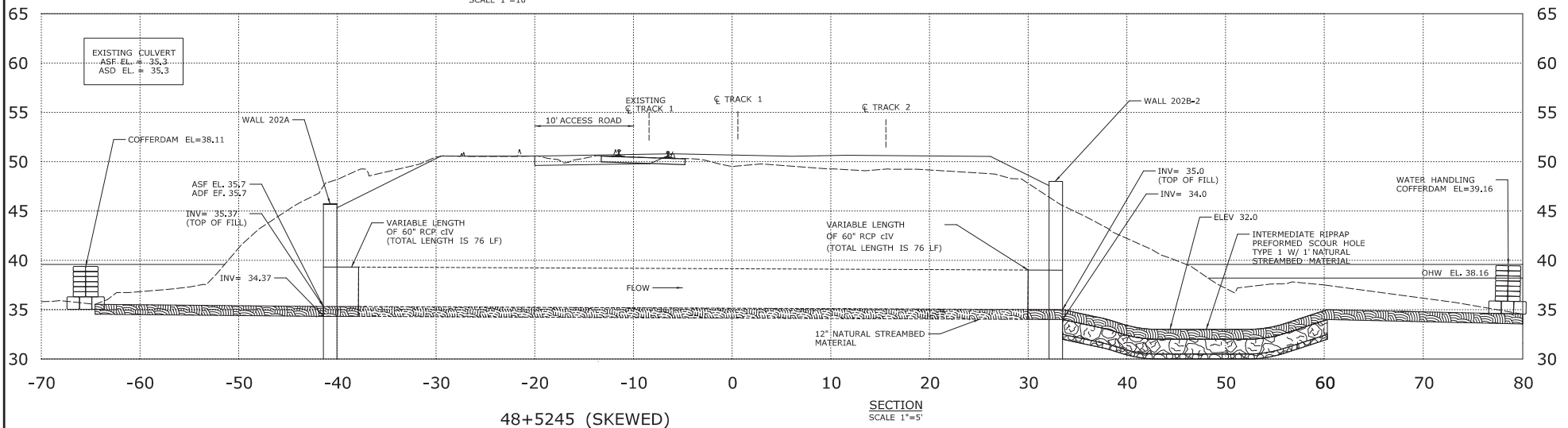
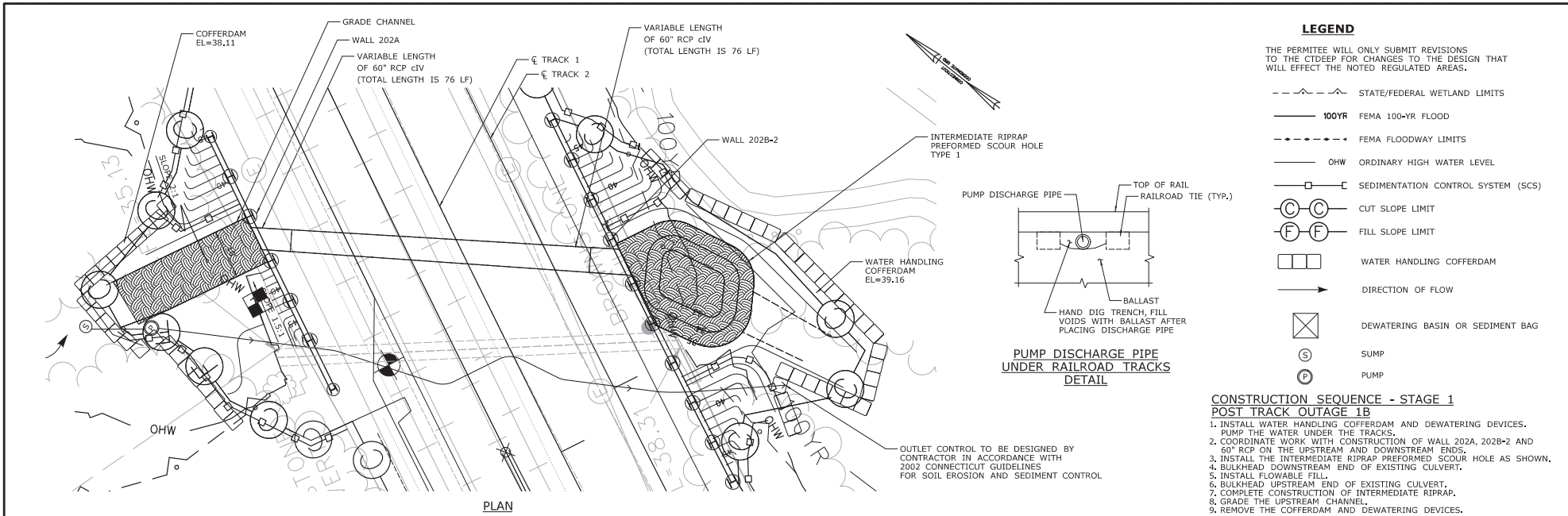
CONSTRUCTION SEQUENCE - STAGE 1
TRACK OUTAGE 1B
 1. MAINTAIN FLOW THROUGH EXISTING CULVERT.
 2. DURING TRACK OUTAGE, TRENCH AND INSTALL LENGTH OF 60" RCP (TOTAL LENGTH IS 76 LF) TO WITHIN 4 FEET OF WALL 202B-2.
 3. PROTECT AND COVER UPSTREAM AND DOWNSTREAM ENDS OF THE PROPOSED 60" RCP CULVERT.

TEMPORARY HYDRAULIC DATA	
AVERAGE DAILY FLOW	0.19 CFS
AVERAGE SPRING FLOW	9.3 CFS
2-YEAR FREQUENCY DISCHARGE	22.5 CFS
TEMPORARY DESIGN DISCHARGE	22.5 CFS
TEMPORARY DESIGN FREQUENCY	2-YEAR
TEMPORARY WATER SURFACE ELEVATION UPSTREAM	37.11 FT
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM	38.16 FT

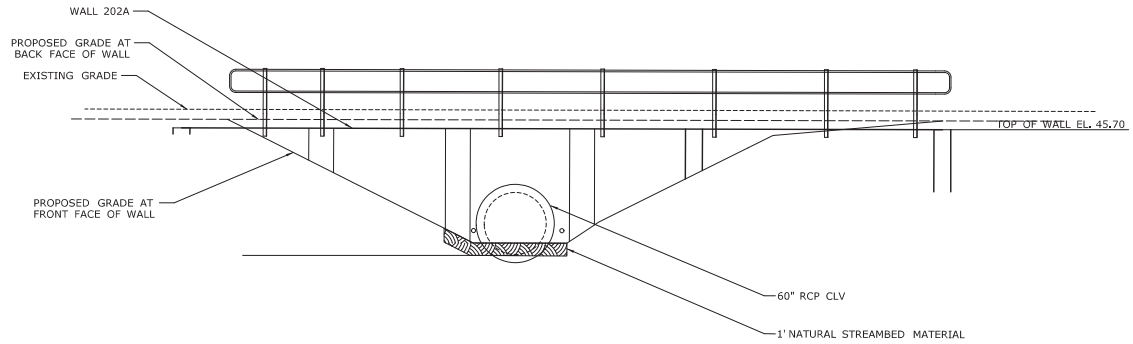


48+5245 (SKEWED)
 SECTION SCALE 1"=5'

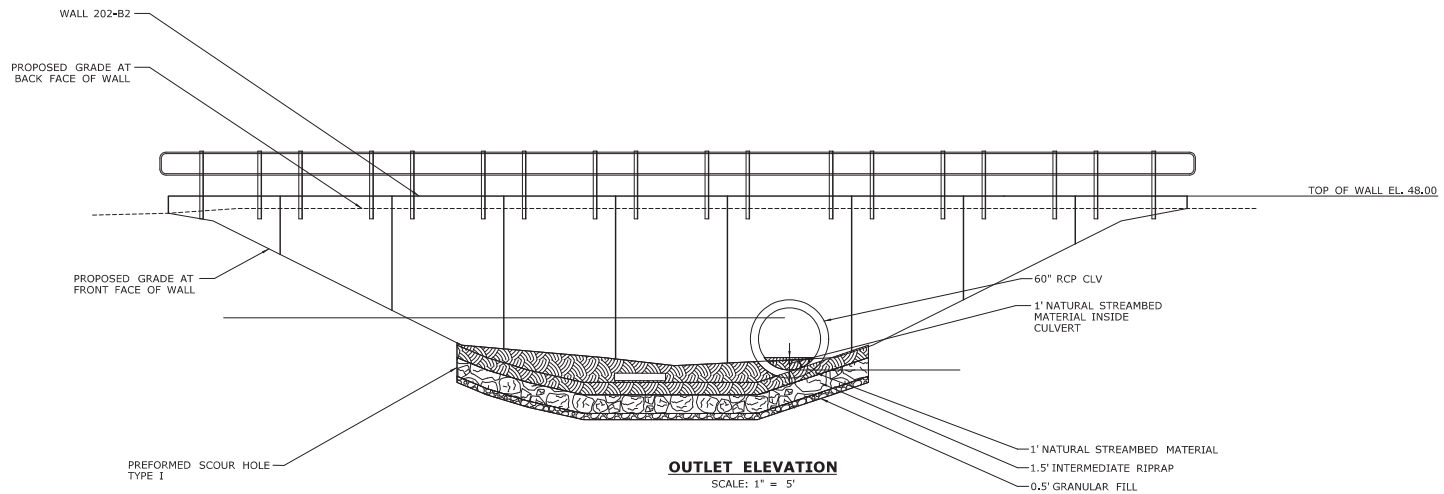
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CHECKED BY: D. SCHWEITZER						
SCALE AS NOTED			FILENAME: ...JFA_FCR_CPS_0170-2295_165_16_PMT_603.dwg		DRAWING TITLE: MP 48.92 WATER HANDLING PLAN	SHEET NO.
REV. DATE REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE: 5/15/2023	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.			



DESIGNER/DRAWER: L. COLES CHECKED BY: D. SCHWEITZER SCALE AS NOTED				SIGNATURE: HNTB HNTB Corporation Engineers, Architects, Planners 315 Capitol Boulevard, 4th Floor New Haven, CT 06511		PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)		TOWN: WINDSOR LOCKS		PROJECT NO.: 0320-0016 DRAWING NO.: PMT-604 SHEET NO.:	
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		FILENAME: ...JFA_CGR_CPS_0170-0295_165_16_PMT_AMTK_PMT-604.dgn		DRAWING TITLE: MP 48.92 WATER HANDLING PLAN		REVISION DESCRIPTION SHEET NO. PLOTTED DATE: 9/15/2023		SHEET NO.:		SHEET NO.:	



INLET ELEVATION
SCALE: 1" = 5'



OUTLET ELEVATION
SCALE: 1" = 5'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
L. COLES
CHECKED BY:
D. SCHWEITZER
SCALE AS NOTED



SIGNATURE:
R. COLE
HNTB
HNTB Corporation
Engineers, Architects, Planners
315 Capital Boulevard, 4th Floor
Baltimore, MD 21201
Phone: 410.528.2700
Fax: 410.528.2701
www.hntb.com

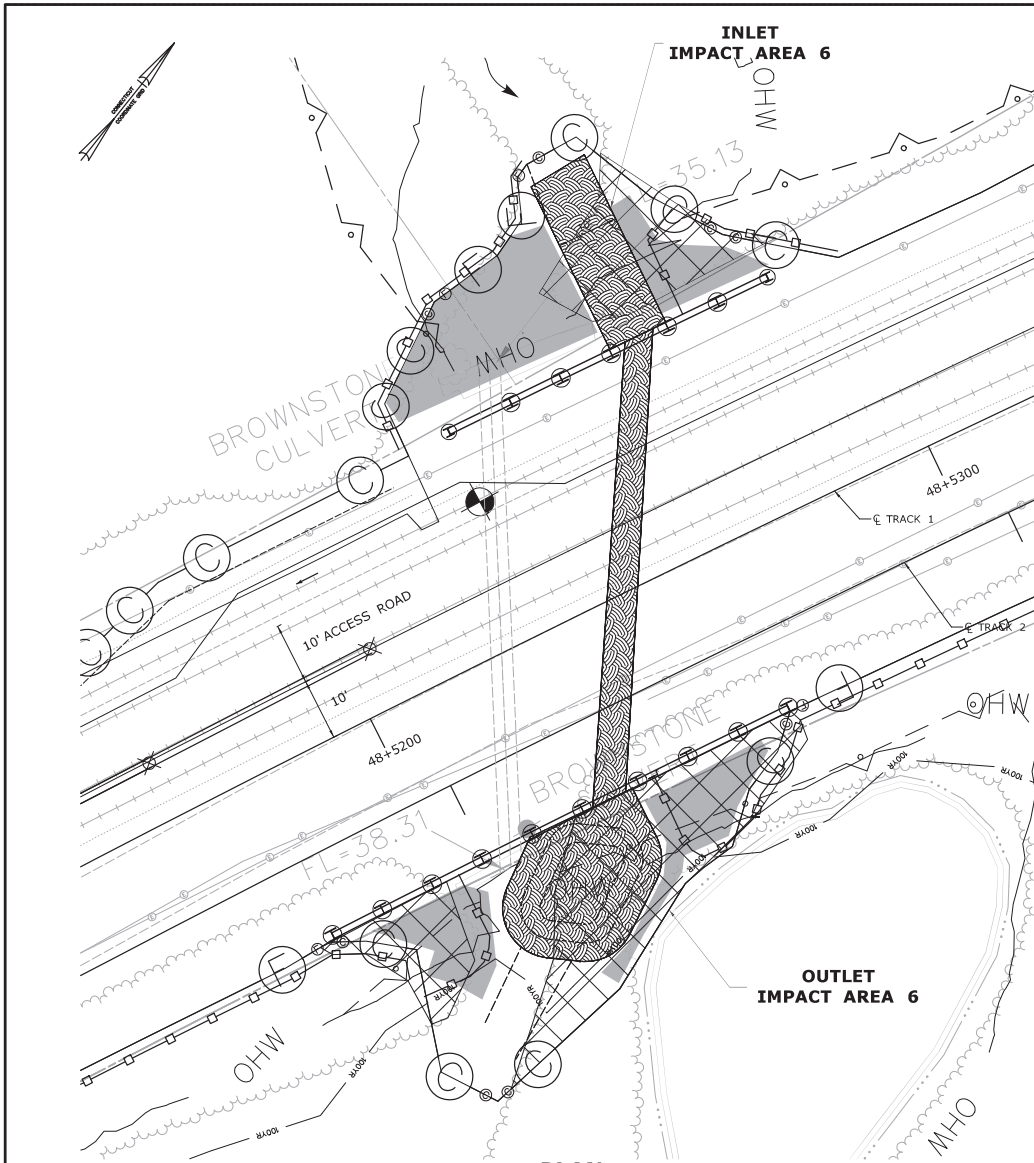
PROJECT TITLE:
**WINDSOR LOCKS RAILROAD STATION
TRACK IMPROVEMENTS
(AMTRAK ACTIVITIES)**

TOWN:
WINDSOR LOCKS
DRAWING TITLE:
**MP 48.92 ELEVATION
PLAN**

PROJECT NO.
0320-0016
DRAWING NO.
PMT-605
SHEET NO.

Plot Method: Date: 9/15/2023

Filename: ...JFA_ECR_CPS_0170-0296_165_16_PNV_AMTK_PMT-605.dgn

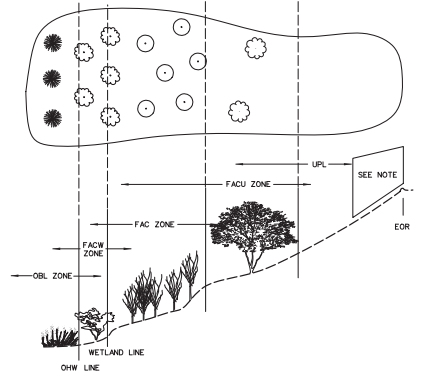


PLAN
1"=20'

LEGEND

THE PERMITEE WILL ONLY SUBMIT REVISIONS TO THE CTDEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

- STATE/FEDERAL WETLAND LIMITS
- 100YR FEMA 100-YR FLOOD
- OHW ORDINARY HIGH WATER LEVEL
- SEDIMENTATION CONTROL SYSTEM (SCS)
- CUT SLOPE LIMIT
- FILL SLOPE LIMIT
- AREA TO BE RESTORED WITH PLANTINGS
- ◇ CONTROL AND REMOVAL OF INVASIVE VEGETATION
- ▨ NATURAL STREAMBED MATERIAL



SCHEMATIC PLANTING
NOT TO SCALE

NOTES

1. PLANTINGS ON THIS SHEET ARE FOR ENVIRONMENTAL PERMITTING. ANY SUBSTITUTIONS TO THE PERMIT PLANTINGS SHALL BE COORDINATED WITH THE COTR.
2. PROPOSED PLANTINGS TO BE FIELD LOCATED BY COTR OR THEIR DESIGNATED REPRESENTATIVE.
3. WOOD CHIP MULCH SHALL NOT BE PLACED IN THE WETLAND AREA.
4. DISTURBED AREAS BELOW THE WETLAND LIMIT SHALL BE SEEDDED WITH WETLAND GRASS ESTABLISHMENT. DISTURBED AREAS ABOVE THE WETLAND LIMIT SHALL BE SEEDDED WITH CONSERVATION SEEDING FOR SLOPES, OR OTHER SEED MIX AS SPECIFIED. ALL AREAS SHALL BE RESTORED.
5. ALL PLANT MATERIAL SHALL BE STRAIGHT SPECIES. NO VARIETIES OR CULTIVARS WILL BE ACCEPTED.
6. NO PLANTINGS TO BE PLACED IN MOW AREA
7. AREA TO BE TREATED FOR INVASIVES AND PROPERLY PREPARED FOR FINAL PLANTING, SEEDING, AND RESTORATION.
8. ALL TREES AND SHRUBS MUST CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK FOR DECIDUOUS SHRUBS, CHAPTER THREE, AND MEET THE MINIMUM CONTAINER SIZE AND ROOT MASS AND NUMBER OF CANES FOR THE TYPE AND HEIGHT SPECIFIED.

PLANT LIST

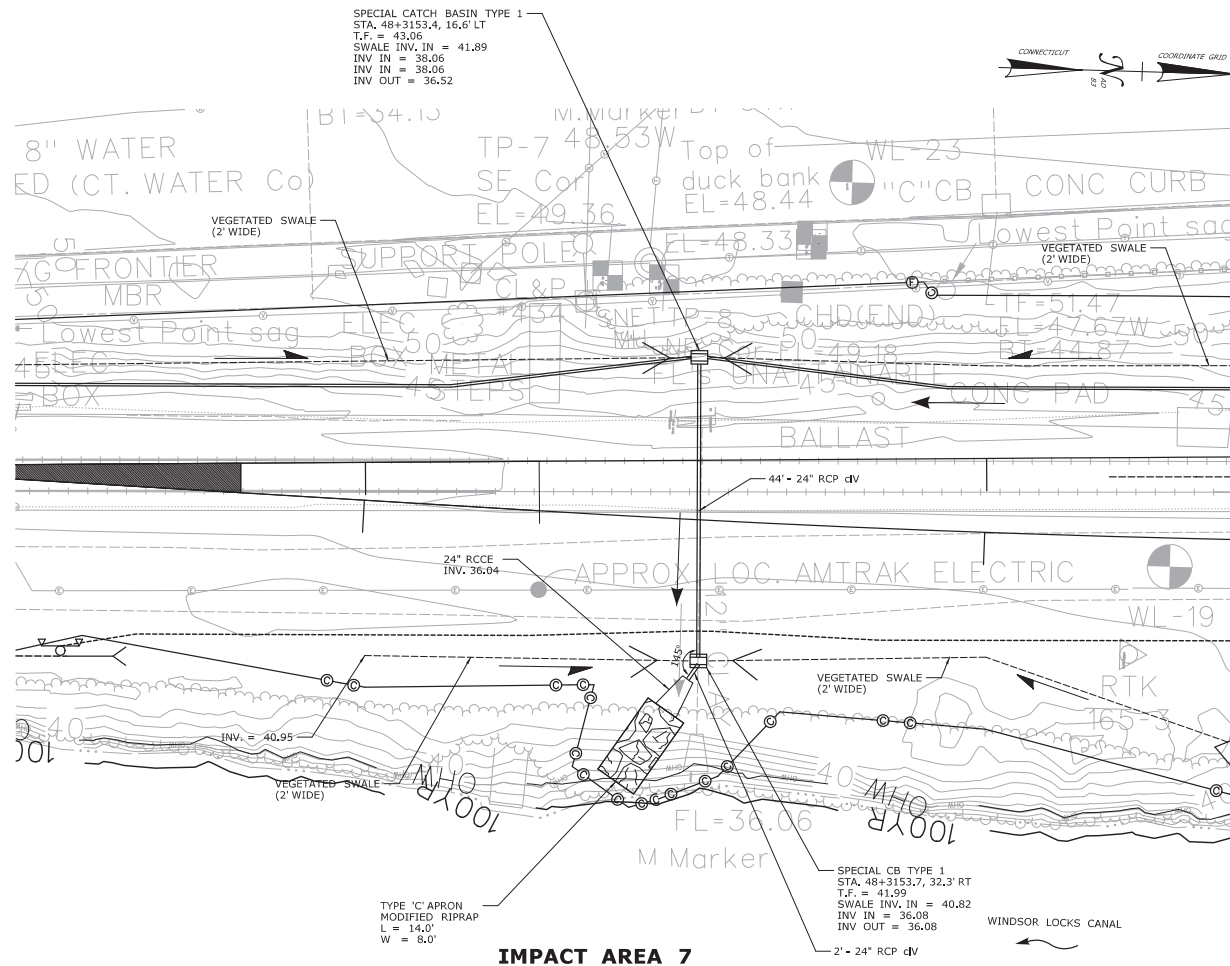
BOTANICAL NAME	COMMON NAME	INDICATOR	SIZE	SPACING	QUANTITY		
					Inlet End	Outlet End	Total
AREA (S.F.)							
TREES							
<i>Acer Negundo</i>	Boxelder	FAC	2'-3' HT B.B.	10' O.C.	2	1	3
<i>Acer saccharinum</i>	Silver Maple	FACW	18" - 24" HT B.B.	10' O.C.	1	1	2
<i>Acer rubrum</i>	Red Maple	FACW	3'-4' HT CONTAINER	10' O.C.	0	2	2
TOTAL QTY=					3	4	7
SHRUBS							
<i>Clethra alnifolia</i>	Sweet Pepperbush	FAC	2'-3' HT B.B.	5' O.C.	14	6	20
<i>Cornus amomum</i>	Silky Dogwood	FACW	18" - 24" HT CONTAINER	5' O.C.	7	7	14
<i>Sambucus canadensis</i>	Elderberry	FACW	18" - 24" HT CONTAINER	5' O.C.	5	4	9
<i>Viburnum dentatum</i>	Arrowood	FACW	24"-36" HT CONTAINER	5' O.C.	5	7	12
TOTAL QTY=					31	24	55

DESIGNER/DRAWER: L. COLES	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
CHECKED BY: D. SCHWEITZER	
SCALE AS NOTED	

SIGNATURE: [Signature]
 PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)

TOWN: WINDSOR LOCKS DRAWING TITLE: MP 48.92 PERMIT PLANTING PLAN	PROJECT NO.: 0320-0016 DRAWING NO.: PMT-606 SHEET NO.:
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Printed Date: 5/15/2023
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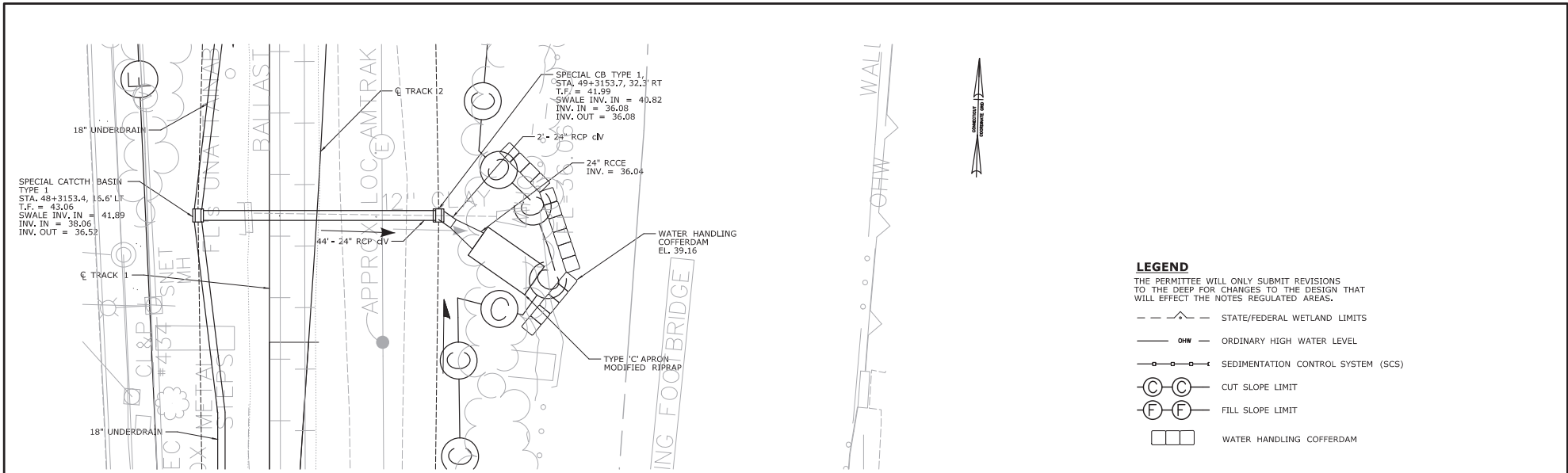


LEGEND

- STATE/FEDERAL WETLAND LIMITS
- OHW — ORDINARY HIGH WATER LEVEL
- +—+—+— SEDIMENTATION CONTROL SYSTEM (SCS)
- ⊙ — ⊙ CUT SLOPE LIMIT
- ⊖ — ⊖ FILL SLOPE LIMIT
- RIPRAP

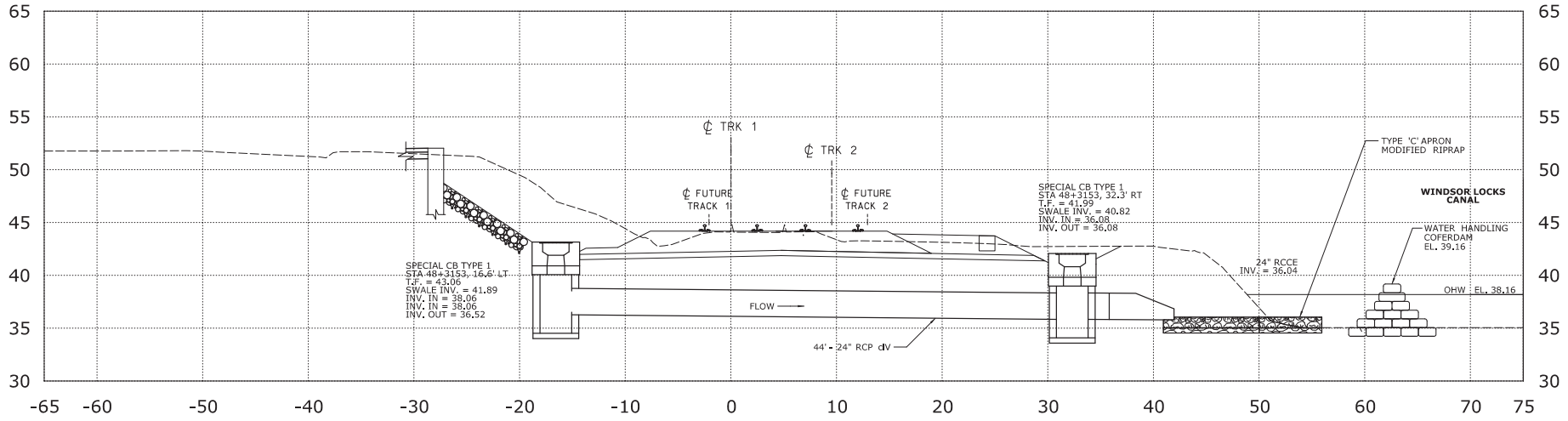
IMPACT AREA 7

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Printed Date: 9/15/2023	DESIGNER/DRAFTER: S. ZARATE / S. GENDREAL CHECKED BY: D. SCHWEITZER SCALE IN FEET SCALE 1"=20'		SIGNATURE/ RUCPK: 	PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)	TOWN: WINDSOR LOCKS DRAWING TITLE: MP 48.53 SITE PLAN	PROJECT NO. 0320-0016 DRAWING NO. PMT-701 SHEET NO.



PLAN
SCALE 1"=10'

DRAINAGE LAYOUT - STATIONS AND OFFSETS BASED OFF OF TRACK 1 BASELINE



SECTION
SCALE 1"=5'
48+3153

DESIGNER/DRAWER: S. ZARATE CHECKED BY: D. SCHWEITZER SCALE AS NOTED				SIGNATURE: 		PROJECT TITLE: WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)		TOWN: WINDSOR LOCKS		PROJECT NO. 0320-0016	
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.				HNTB Corporation Engineers, Architects, Planners 315 Chapel Hill Avenue, 4th Floor Newark, NJ 07102		WINDSOR LOCKS RAILROAD STATION TRACK IMPROVEMENTS (AMTRAK ACTIVITIES)		DRAWING TITLE: M.P. 48.53 WATER HANDLING PLAN		DRAWING NO. PMT-703 SHEET NO.	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Printed Date: 3/15/2023							

SECTION 1.10 ENVIRONMENTAL COMPLIANCE

In Article 1.10.03-Water Pollution Control: REQUIRED BEST MANAGEMENT PRACTICES

Add the following after Required Best Management Practice Number 13:

14. The Contractor is hereby notified that the State listed species of Special Concern wood turtle (*Glyptemys insculpta*), is present within the Project limits. Wood turtles require riparian habitats bordered by floodplain, woodland, or meadows. Their summer habitat includes pastures, old fields, woodlands, power line cuts, and railroad beds bordering or adjacent to streams and rivers. Wood turtles spend most of their summer on land and can use areas up to 1500 feet from the streams/rivers where they overwinter. They hibernate submerged in tangled tree roots along riverbanks or in deep pools.

All construction activities taking place within the Project limits will need to be coordinated with the Office of Environmental Planning (OEP) through the Engineer. At least 10 days prior to the commencement of any construction activities, the Contractor shall, through the Engineer, arrange for a CT DOT Environmental Inspector from the OEP or their authorized delegate to meet and discuss proper protocol for maintaining environmental commitments made for the protection of this species and habitat. OEP will provide oversight through the Engineer to ensure that the following protocols are followed and maintained during the course of the Project.

During the wood turtle's dormant period (November 1 to March 31):

- Construction activities will be allowed in upland areas.
- Work is not allowed in wetland/watercourse areas unless these areas were in active construction prior to November 1, and additionally, do not contain any areas of turtle habitat (no stream edge vegetation, stumps, or roots).

For any work done during the wood turtle's active period (April 1 to October 31) the Department will require the following precautionary measures to protect the wood turtle and wood turtle habitat:

- a. All areas within the Project limits must be surveyed to verify the presence of any active wood turtle activity prior to commencement of the initial clearing and grubbing activities.
- b. All construction personnel working within wood turtle habitat must be apprised of the species description and the possible presence of this listed species.
- c. Exclusionary practices will be required in order to prevent any wood turtle to access construction areas. These measures will need to be installed at the limits of disturbance as shown on the plans.

- d. Exclusionary fencing shall be at least 20” tall and must be secured to and remain in contact with the ground. The Contractor shall regularly inspect and maintain the fencing to prevent any gaps or openings at ground level. Silt fence with netting shall not be used.
- e. The Contractor must search the work area each morning for the presence of this listed species prior to any work being done.
- f. Any wood turtles encountered within the Project shall be carefully moved outside of the excluded work area and the Engineer shall be immediately informed in order to contact OEP with the location.

When a species is found, the Engineer is responsible for completing and submitting the Natural Diversity Data Base (NDDB) Vertebrate Sheet (<https://portal.ct.gov/DEEP/Endangered-Species/Contributing-Data>). This completed document allows CTDEEP to update their database.

- g. All staging and storage areas within the vicinity of the Project limits of the wood turtle habitat must be reviewed by and receive written approval from the OEP.
- h. The Contractor shall not park heavy machinery or vehicles within the wood turtle habitat without written approval and authorization by the OEP.
- i. Exclusionary fencing shall be removed at the completion of the Project and when final stabilization has occurred to allow for reptile and amphibian passage to resume.
- j. When felling trees adjacent to watercourses, they shall be cut to fall away from the waterway and not dragged across the waterway. Stumps shall be left in waterway banks where possible.

These practices will be applied to the entire project unless a specified location is identified within the Project plans, which denotes specific areas of concern.

This species is protected by State laws, which prohibit killing, harming, taking, or keeping them in your possession. Fact sheet of the wood turtle shall be posted in the Contractor’s and Inspection field offices.

If any wood turtles are observed in or around the Project area, the OEP must be notified at Andrew.Piraneo@ct.gov or at Marilyn.Gould@ct.gov. If OEP staff cannot be reached at either of the above referenced emails, the District Environmental Coordinator will need to be contacted to facilitate further coordination with OEP’s Water Resources Compliance Unit.

DEEP’s Fact Sheet for the wood turtle:

https://portal.ct.gov//media/DEEP/wildlife/pdf_files/outreach/fact_sheets/woodturtlepdf.pdf

SECTION 1.10 ENVIRONMENTAL COMPLIANCE

In Article 1.10.03-Water Pollution Control: REQUIRED BEST MANAGEMENT PRACTICES

Add the following after Required Best Management Practice Number 13:

14. The Contractor is hereby notified that the State listed species of Special Concern Eastern box turtle (*Terrapene carolina carolina*), is present within the Project limits. In Connecticut, this terrestrial turtle lives in a variety of habitats, including woodlands, field edges, thickets, marshes, bogs, and stream banks. Typically, however, Eastern box turtles are found in well-drained forest bottomlands and open deciduous forests. They will use wetland areas at various times during the season. During the hottest part of a summer day, they will wander to find springs and seepages where they can burrow into the moist soil. Eastern box turtles overwinter in upland forest, typically covered by leaf litter or woody debris. As temperatures drop, the turtles burrow down into soft ground.

All construction activities taking place within the Project limits will need to be coordinated with the Office of Environmental Planning (OEP) through the Engineer. At least 10 days prior to the commencement of any construction activities, the Contractor shall, through the Engineer, arrange for a CT DOT Environmental Inspector from the OEP or their authorized delegate to meet and discuss proper protocol for maintaining environmental commitments made for the protection of this species and habitat. OEP will provide oversight through the Engineer to ensure that the following protocols are followed and maintained during the course of the Project.

For any work done during the Eastern box turtle's active period (April 1 to October 31) the Department will require the following precautionary measures to protect the Eastern box turtle and Eastern box turtle habitat:

- a. All areas within the Project limits must be surveyed to verify the presence of any active Eastern box turtle activity prior to commencement of the initial clearing and grubbing activities.
- b. All construction personnel working within Eastern box turtle habitat must be apprised of the species description and the possible presence of this listed species.
- c. Exclusionary practices will be required in order to prevent any Eastern box turtle access to construction areas. These measures will need to be installed at the limits of disturbance as shown on the plans.
- d. Exclusionary fencing shall be at least 20" tall and must be secured to and remain in contact with the ground. The Contractor shall regularly inspect and maintain the fencing to prevent any gaps or openings at ground level. Silt fence with netting shall not be used.

- e. The Contractor must search the work area each morning for the presence of this listed species prior to any work being done.
- f. Any Eastern box turtles encountered within the Project shall be carefully moved outside of the excluded work area and the Engineer shall be immediately informed in order to contact OEP with the location.

When a species is found, the OEP will be responsible for completing and submitting the Natural Diversity Data Base (NDDDB) Vertebrate Sheet (<https://portal.ct.gov/DEEP/Endangered-Species/Contributing-Data>). This completed document allows CTDEEP to update their database.

- g. All staging and storage areas within the vicinity of the Project limits of the Eastern box turtle habitat must be reviewed by and receive written approval from the OEP.
- h. The Contractor shall not park heavy machinery or vehicles within the Eastern box turtle habitat without written approval and authorization by the OEP.
- i. Exclusionary fencing shall be removed at the completion of the Project and when final stabilization has occurred to allow for reptile and amphibian passage to resume.

Work may take place during the Eastern box turtle's inactive (hibernation) period (November 1 to March 31) with the following additional precautionary measure:

- a. Exclusionary fencing must be installed and the area inspected for turtles by the Engineer or Engineer's approved representative prior to October 1.

These practices will be applied to the entire Project unless a sketch is attached, which identifies specific areas of concern.

This species is protected by State laws, which prohibit killing, harming, taking, or keeping them in your possession. Fact sheet of the Eastern box turtle shall be posted in the Contractor's and Inspection field offices.

If any Eastern box turtles are observed in or around the Project area the OEP must be notified at Andrew.Piraneo@ct.gov or at Marilyn.Gould@ct.gov. If OEP staff cannot be reached at either of the above referenced emails, the District environmental coordinator will need to be contacted to facilitate further coordination with OEP's Water Resources Compliance Unit.

DEEP's Fact Sheet for the Eastern Box Turtle:

https://portal.ct.gov/-/media/DEEP/wildlife/pdf_files/outreach/fact_sheets/boxturtlepdf.pdf

SECTION 1.10 ENVIRONMENTAL COMPLIANCE

Article 1.10.03 Water Pollution Control: REQUIRED BEST MANAGEMENT PRACTICES

Add the following after Required Best Management Practices Number 13:

14. The Contractor is hereby notified that the Bald Eagle (*Haliaeetus leucocephalus*) may be located within the vicinity of this Project. The bald eagle is a State threatened species and is protected under Connecticut General Statute Sec. 26-93. The bald eagle is also protected under both the Federal Bald and Golden Eagle Protection Act, and the Federal Migratory Bird Treaty Act. The bald eagle, in Connecticut, has adapted to life in urban settings and is becoming a common visitor in winter, particularly at favored locations along the Connecticut River, Housatonic River, and Connecticut's large lakes/reservoirs. In the winter, bald eagles may congregate into groups called communal winter roosts in order to conserve energy, take advantage of protective habitat, and be closer to food sources. The bald eagle is typically associated with large diameter trees (30-inch DBH or greater) for nest building, perching, and roosting purposes. Though somewhat tolerant of human activity, bald eagles can be negatively affected if work is too close to an active nest or winter roost. For this reason, special conditions regarding the location and timing of work around eagle usage areas shall be adhered to.

In order to protect this species, construction activities shall not be allowed to take place within 600 feet of a confirmed active nest or winter roost as follows:

- Bald eagle nesting areas: Construction activities shall not be allowed to take place within 600 feet of a confirmed active nest between February 1st and August 1st.
- Winter roost areas: Construction activities shall not be allowed to take place within 600 feet of a confirmed winter roost area between December 1st and March 31st.

Construction activities shall be allowed within Project areas that are outside the 600-foot buffer.

Additionally, the cutting of any large trees (30-inch DBH or greater) within 50 feet of any surface water shall be reviewed and approved by the Engineer in coordination with the Department's Office of Environmental Planning (OEP) staff. Any change in construction sequencing or timing of proposed work in the Project area, which might disturb bald eagles must be coordinated through the Engineer.

The time period and approximate areas of the Project expected to be subject to these restrictions, based on the best available eagle activity information, are attached. Prior to the start of work and during the Project, areas subject to these restrictions may be updated based on confirmed nest/winter roost information provided by the OEP. Exact locations of nests/winter roosts will not be provided in order to further protect the species.

The Contractor shall, through the Engineer, at least 10 days prior to the commencement of any construction activities, arrange for OEP staff or their authorized delegate to be available to meet and identify the approximate roost and/or nest location as well as discuss proper protocol for maintaining environmental commitments made to the protection of this species and habitat.

This species is protected by State and Federal law which prohibit killing, harming, taking, harassing, or keeping them in your possession. Workers shall be notified of the existence of bald eagles in the area and be apprised of the laws protecting them. Photographs of, and the laws protecting, bald eagles shall be posted in the Contractor's and DOT field offices (species ID sheets will be provided by OEP). Any observations of this species are to be immediately reported to the Engineer.



LWRD Work Commencement Form

To: DEEP.LWRDRegulatory@ct.gov or
Regulatory Section
Department of Energy and Environmental Protection
Land & Water Resources Division
79 Elm Street
Hartford, CT 06106-5127

Licensee Name: National Railroad Passenger Corporation (Amtrak)

Municipality in which the project is occurring: Windsor Locks

DEEP License No(s): 202307183

CONTRACTOR(s):

1 Name: _____
Address: _____
Telephone: _____
E-mail: _____

2 Name: _____
Address: _____
Telephone: _____
E-mail: _____

3 Name: _____
Address: _____

Date Contractor(s) received a copy
of the license and approved plans: _____

EXPECTED DATE OF COMMENCEMENT OF WORK: _____

EXPECTED DATE OF COMPLETION OF WORK: _____

LICENSEE: _____
(Signature) (Date)



Compliance Certification Form

The following certification must be signed by the licensee working in consultation with a Connecticut-licensed design professional and must be submitted to the address indicated at the end of this form within ninety (90) days of completion of the authorized work.

1. Licensee Name: <u>National Railroad Passenger Corporation (Amtrak)</u>	
DEEP License Number(s): <u>202307183</u>	
Municipality in which project is occurring: <u>Windsor Locks</u>	
2. Check one:	
(a) <input type="checkbox"/> "I certify that the final site conditions and / or structures are in general conformance with the approved site plans". Identify and describe any deviations and attach to this form.	
(b) <input type="checkbox"/> "The final site conditions and / or structures are not in general conformance with the approved site plans. The enclosed "as-built" plans note the modifications".	
3. "I understand that any false statement in this certification is punishable as a criminal offence under section 53a-157b of the General Statutes and under any other applicable law."	
_____ Signature of Licensee	_____ Date
_____ Name of Licensee (print or type)	
_____ Signature of CT-Licensed Design Professional	_____ Date
_____ Name of CT-Licensed Design Professional (print or type)	
_____ Professional License Number (if applicable)	Affix Stamp Here
<ul style="list-style-type: none"> As-built plans shall include: elevations or tidal datums, as applicable, and structures, including any proposed elevation views and cross sections included in the approved license plans. Such as-built plans shall be the original ones and be signed and sealed by an engineer, surveyor or architect, as applicable, who is licensed in the State of Connecticut. The Licensee will be notified by staff of the Land and Water Resources Division (LWRD) if further compliance review is necessary. Lack of response by LWRD staff does not imply compliance. <p>Submit this completed form to : DEEP.LWRDRegulatory@ct.gov or Regulatory Section Department of Energy and Environmental Protection Land & Water Resources Division 79 Elm Street Hartford, CT 06106-5127</p>	